Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-11
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 2:38:00 PM
Lab ID:	2311J94-009	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	366925	1	11/19/2023 01:12	AV
Toluene	BRL	1.0		ug/L	366925	1	11/19/2023 01:12	AV
Ethylbenzene	BRL	1.0		ug/L	366925	1	11/19/2023 01:12	AV
Xylenes, Total	BRL	1.0		ug/L	366925	1	11/19/2023 01:12	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	366925	1	11/19/2023 01:12	AV
Naphthalene	BRL	5.0		ug/L	366925	1	11/19/2023 01:12	AV
1,2-Dichloroethane	BRL	1.0		ug/L	366925	1	11/19/2023 01:12	AV
Ethyl tert-butyl ether	BRL	10		ug/L	366925	1	11/19/2023 01:12	AV
tert-Amyl methyl ether	BRL	10		ug/L	366925	1	11/19/2023 01:12	AV
Isopropyl ether	BRL	10		ug/L	366925	1	11/19/2023 01:12	AV
tert-Butyl Alcohol	BRL	100		ug/L	366925	1	11/19/2023 01:12	AV
tert-Amyl alcohol	BRL	100		ug/L	366925	1	11/19/2023 01:12	AV
tert-Butyl formate	BRL	100		ug/L	366925	1	11/19/2023 01:12	AV
Ethanol	BRL	100		ug/L	366925	1	11/19/2023 01:12	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	366925	1	11/19/2023 01:12	AV
Surr: 4-Bromofluorobenzene	95.2	70-126		%REC	366925	1	11/19/2023 01:12	AV
Surr: Dibromofluoromethane	97.3	77-121		%REC	366925	1	11/19/2023 01:12	AV
Surr: Toluene-d8	115	78.6-119		%REC	366925	1	11/19/2023 01:12	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/20/2023 22:49	TB
Surr: 4-Bromofluorobenzene	116	69.7-138		%REC	366938	1	11/20/2023 22:49	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-12
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 12:57:00 PM
Lab ID:	2311J94-010	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	3200	100		ug/L	366925	100	11/20/2023 21:28	AV
Toluene	7600	100		ug/L	366925	100	11/20/2023 21:28	AV
Ethylbenzene	1300	10		ug/L	366925	10	11/20/2023 21:05	AV
Xylenes, Total	5400	10		ug/L	366925	10	11/20/2023 21:05	AV
Methyl tert-butyl ether	25	1.0		ug/L	366925	1	11/19/2023 01:35	AV
Naphthalene	300	50		ug/L	366925	10	11/20/2023 21:05	AV
1,2-Dichloroethane	44	1.0		ug/L	366925	1	11/19/2023 01:35	AV
Ethyl tert-butyl ether	BRL	10		ug/L	366925	1	11/19/2023 01:35	AV
tert-Amyl methyl ether	BRL	10		ug/L	366925	1	11/19/2023 01:35	AV
Isopropyl ether	50	10		ug/L	366925	1	11/19/2023 01:35	AV
tert-Butyl Alcohol	490	100		ug/L	366925	1	11/19/2023 01:35	AV
tert-Amyl alcohol	4500	100		ug/L	366925	1	11/19/2023 01:35	AV
tert-Butyl formate	BRL	100		ug/L	366925	1	11/19/2023 01:35	AV
Ethanol	BRL	100		ug/L	366925	1	11/19/2023 01:35	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	366925	1	11/19/2023 01:35	AV
Surr: 4-Bromofluorobenzene	90.9	70-126		%REC	366925	1	11/19/2023 01:35	AV
Surr: 4-Bromofluorobenzene	94.1	70-126		%REC	366925	10	11/20/2023 21:05	AV
Surr: 4-Bromofluorobenzene	94.7	70-126		%REC	366925	100	11/20/2023 21:28	AV
Surr: Dibromofluoromethane	92.5	77-121		%REC	366925	10	11/20/2023 21:05	AV
Surr: Dibromofluoromethane	93.5	77-121		%REC	366925	100	11/20/2023 21:28	AV
Surr: Dibromofluoromethane	94.1	77-121		%REC	366925	1	11/19/2023 01:35	AV
Surr: Toluene-d8	99.8	78.6-119		%REC	366925	1	11/19/2023 01:35	AV
Surr: Toluene-d8	99	78.6-119		%REC	366925	10	11/20/2023 21:05	AV
Surr: Toluene-d8	99.7	78.6-119		%REC	366925	100	11/20/2023 21:28	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/22/2023 00:14	TB
Surr: 4-Bromofluorobenzene	79.6	69.7-138		%REC	366938	1	11/22/2023 00:14	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-12I
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 12:41:00 PM
Lab ID:	2311J94-011	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	5.6	1.0		ug/L	366925	1	11/20/2023 20:42	AV
Toluene	BRL	1.0		ug/L	366925	1	11/20/2023 20:42	AV
Ethylbenzene	6.6	1.0		ug/L	366925	1	11/20/2023 20:42	AV
Xylenes, Total	BRL	1.0		ug/L	366925	1	11/20/2023 20:42	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	366925	1	11/20/2023 20:42	AV
Naphthalene	BRL	5.0		ug/L	366925	1	11/20/2023 20:42	AV
1,2-Dichloroethane	BRL	1.0		ug/L	366925	1	11/20/2023 20:42	AV
Ethyl tert-butyl ether	BRL	10		ug/L	366925	1	11/20/2023 20:42	AV
tert-Amyl methyl ether	BRL	10		ug/L	366925	1	11/20/2023 20:42	AV
Isopropyl ether	BRL	10		ug/L	366925	1	11/20/2023 20:42	AV
tert-Butyl Alcohol	BRL	100		ug/L	366925	1	11/20/2023 20:42	AV
tert-Amyl alcohol	BRL	100		ug/L	366925	1	11/20/2023 20:42	AV
tert-Butyl formate	BRL	100		ug/L	366925	1	11/20/2023 20:42	AV
Ethanol	BRL	100		ug/L	366925	1	11/20/2023 20:42	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	366925	1	11/20/2023 20:42	AV
Surr: 4-Bromofluorobenzene	80.6	70-126		%REC	366925	1	11/20/2023 20:42	AV
Surr: Dibromofluoromethane	94.2	77-121		%REC	366925	1	11/20/2023 20:42	AV
Surr: Toluene-d8	99.9	78.6-119		%REC	366925	1	11/20/2023 20:42	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.021		ug/L	366938	1	11/20/2023 23:23	TB
Surr: 4-Bromofluorobenzene	112	69.7-138		%REC	366938	1	11/20/2023 23:23	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-14
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 1:22:00 PM
Lab ID:	2311J94-012	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	39	1.0		ug/L	366925	1	11/19/2023 02:21	AV
Toluene	2.8	1.0		ug/L	366925	1	11/19/2023 02:21	AV
Ethylbenzene	BRL	1.0		ug/L	366925	1	11/19/2023 02:21	AV
Xylenes, Total	18	1.0		ug/L	366925	1	11/19/2023 02:21	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	366925	1	11/19/2023 02:21	AV
Naphthalene	BRL	5.0		ug/L	366925	1	11/19/2023 02:21	AV
1,2-Dichloroethane	BRL	1.0		ug/L	366925	1	11/19/2023 02:21	AV
Ethyl tert-butyl ether	BRL	10		ug/L	366925	1	11/19/2023 02:21	AV
tert-Amyl methyl ether	BRL	10		ug/L	366925	1	11/19/2023 02:21	AV
Isopropyl ether	BRL	10		ug/L	366925	1	11/19/2023 02:21	AV
tert-Butyl Alcohol	BRL	100		ug/L	366925	1	11/19/2023 02:21	AV
tert-Amyl alcohol	420	100		ug/L	366925	1	11/19/2023 02:21	AV
tert-Butyl formate	BRL	100		ug/L	366925	1	11/19/2023 02:21	AV
Ethanol	BRL	100		ug/L	366925	1	11/19/2023 02:21	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	366925	1	11/19/2023 02:21	AV
Surr: 4-Bromofluorobenzene	96.5	70-126		%REC	366925	1	11/19/2023 02:21	AV
Surr: Dibromofluoromethane	95.8	77-121		%REC	366925	1	11/19/2023 02:21	AV
Surr: Toluene-d8	100	78.6-119		%REC	366925	1	11/19/2023 02:21	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/20/2023 23:41	TB
Surr: 4-Bromofluorobenzene	150	69.7-138	S	%REC	366938	1	11/20/2023 23:41	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-14I
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 1:04:00 PM
Lab ID:	2311J94-013	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 00:30	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 00:30	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 00:30	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 00:30	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 00:30	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 00:30	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 00:30	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 00:30	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 00:30	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 00:30	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 00:30	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 00:30	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 00:30	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 00:30	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 00:30	AV
Surr: 4-Bromofluorobenzene	89.3	70-126		%REC	367023	1	11/21/2023 00:30	AV
Surr: Dibromofluoromethane	93.9	77-121		%REC	367023	1	11/21/2023 00:30	AV
Surr: Toluene-d8	100	78.6-119		%REC	367023	1	11/21/2023 00:30	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.021		ug/L	366938	1	11/21/2023 00:15	TB
Surr: 4-Bromofluorobenzene	114	69.7-138		%REC	366938	1	11/21/2023 00:15	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-16
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 12:29:00 PM
Lab ID:	2311J94-014	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 00:53	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 00:53	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 00:53	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 00:53	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 00:53	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 00:53	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 00:53	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 00:53	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 00:53	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 00:53	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 00:53	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 00:53	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 00:53	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 00:53	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 00:53	AV
Surr: 4-Bromofluorobenzene	91.8	70-126		%REC	367023	1	11/21/2023 00:53	AV
Surr: Dibromofluoromethane	93	77-121		%REC	367023	1	11/21/2023 00:53	AV
Surr: Toluene-d8	97	78.6-119		%REC	367023	1	11/21/2023 00:53	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/21/2023 00:32	TB
Surr: 4-Bromofluorobenzene	116	69.7-138		%REC	366938	1	11/21/2023 00:32	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-16I
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 12:15:00 PM
Lab ID:	2311J94-015	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 01:16	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 01:16	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 01:16	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 01:16	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 01:16	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 01:16	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 01:16	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 01:16	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 01:16	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 01:16	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 01:16	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 01:16	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 01:16	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 01:16	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 01:16	AV
Surr: 4-Bromofluorobenzene	95.3	70-126		%REC	367023	1	11/21/2023 01:16	AV
Surr: Dibromofluoromethane	97.2	77-121		%REC	367023	1	11/21/2023 01:16	AV
Surr: Toluene-d8	97.3	78.6-119		%REC	367023	1	11/21/2023 01:16	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/21/2023 00:50	TB
Surr: 4-Bromofluorobenzene	116	69.7-138		%REC	366938	1	11/21/2023 00:50	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-17
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 2:33:00 PM
Lab ID:	2311J94-016	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 01:39	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 01:39	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 01:39	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 01:39	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 01:39	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 01:39	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 01:39	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 01:39	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 01:39	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 01:39	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 01:39	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 01:39	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 01:39	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 01:39	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 01:39	AV
Surr: 4-Bromofluorobenzene	80.3	70-126		%REC	367023	1	11/21/2023 01:39	AV
Surr: Dibromofluoromethane	93.4	77-121		%REC	367023	1	11/21/2023 01:39	AV
Surr: Toluene-d8	100	78.6-119		%REC	367023	1	11/21/2023 01:39	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 13:35	TB
Surr: 4-Bromofluorobenzene	110	69.7-138		%REC	366979	1	11/21/2023 13:35	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-17I
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 2:28:00 PM
Lab ID:	2311J94-017	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 02:02	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 02:02	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 02:02	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 02:02	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 02:02	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 02:02	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 02:02	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 02:02	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 02:02	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 02:02	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 02:02	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 02:02	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 02:02	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 02:02	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 02:02	AV
Surr: 4-Bromofluorobenzene	89.2	70-126		%REC	367023	1	11/21/2023 02:02	AV
Surr: Dibromofluoromethane	93.5	77-121		%REC	367023	1	11/21/2023 02:02	AV
Surr: Toluene-d8	100	78.6-119		%REC	367023	1	11/21/2023 02:02	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 13:52	TB
Surr: 4-Bromofluorobenzene	105	69.7-138		%REC	366979	1	11/21/2023 13:52	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-19
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 4:30:00 PM
Lab ID:	2311J94-018	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 02:25	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 02:25	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 02:25	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 02:25	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 02:25	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 02:25	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 02:25	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 02:25	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 02:25	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 02:25	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 02:25	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 02:25	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 02:25	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 02:25	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 02:25	AV
Surr: 4-Bromofluorobenzene	94.7	70-126		%REC	367023	1	11/21/2023 02:25	AV
Surr: Dibromofluoromethane	94.2	77-121		%REC	367023	1	11/21/2023 02:25	AV
Surr: Toluene-d8	100	78.6-119		%REC	367023	1	11/21/2023 02:25	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/21/2023 01:07	TB
Surr: 4-Bromofluorobenzene	117	69.7-138		%REC	366938	1	11/21/2023 01:07	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-19I
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 4:19:00 PM
Lab ID:	2311J94-019	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 02:48	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 02:48	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 02:48	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 02:48	AV
Methyl tert-butyl ether	5.0	1.0		ug/L	367023	1	11/21/2023 02:48	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 02:48	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 02:48	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 02:48	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 02:48	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 02:48	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 02:48	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 02:48	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 02:48	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 02:48	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 02:48	AV
Surr: 4-Bromofluorobenzene	94.7	70-126		%REC	367023	1	11/21/2023 02:48	AV
Surr: Dibromofluoromethane	94	77-121		%REC	367023	1	11/21/2023 02:48	AV
Surr: Toluene-d8	99.3	78.6-119		%REC	367023	1	11/21/2023 02:48	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/21/2023 01:24	TB
Surr: 4-Bromofluorobenzene	116	69.7-138		%REC	366938	1	11/21/2023 01:24	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-20
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 10:35:00 AM
Lab ID:	2311J94-020	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	120	1.0		ug/L	367023	1	11/21/2023 03:10	AV
Toluene	5.6	1.0		ug/L	367023	1	11/21/2023 03:10	AV
Ethylbenzene	71	1.0		ug/L	367023	1	11/21/2023 03:10	AV
Xylenes, Total	2.8	1.0		ug/L	367023	1	11/21/2023 03:10	AV
Methyl tert-butyl ether	59	1.0		ug/L	367023	1	11/21/2023 03:10	AV
Naphthalene	34	5.0		ug/L	367023	1	11/21/2023 03:10	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 03:10	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 03:10	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 03:10	AV
Isopropyl ether	220	10		ug/L	367023	1	11/21/2023 03:10	AV
tert-Butyl Alcohol	540	100		ug/L	367023	1	11/21/2023 17:40	AV
tert-Amyl alcohol	13000	10000		ug/L	367023	100	11/21/2023 18:04	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 03:10	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 03:10	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 03:10	AV
Surr: 4-Bromofluorobenzene	93.5	70-126		%REC	367023	1	11/21/2023 17:40	AV
Surr: 4-Bromofluorobenzene	93.6	70-126		%REC	367023	1	11/21/2023 03:10	AV
Surr: 4-Bromofluorobenzene	93.3	70-126		%REC	367023	100	11/21/2023 18:04	AV
Surr: Dibromofluoromethane	94	77-121		%REC	367023	1	11/21/2023 17:40	AV
Surr: Dibromofluoromethane	94.1	77-121		%REC	367023	1	11/21/2023 03:10	AV
Surr: Dibromofluoromethane	96	77-121		%REC	367023	100	11/21/2023 18:04	AV
Surr: Toluene-d8	99.2	78.6-119		%REC	367023	1	11/21/2023 03:10	AV
Surr: Toluene-d8	99.9	78.6-119		%REC	367023	100	11/21/2023 18:04	AV
Surr: Toluene-d8	100	78.6-119		%REC	367023	1	11/21/2023 17:40	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 14:10	TB
Surr: 4-Bromofluorobenzene	139	69.7-138	S	%REC	366979	1	11/21/2023 14:10	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-21
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 1:30:00 PM
Lab ID:	2311J94-021	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	2900	50		ug/L	367023	50	11/21/2023 18:49	AV
Toluene	3900	50		ug/L	367023	50	11/21/2023 18:49	AV
Ethylbenzene	1400	50		ug/L	367023	50	11/21/2023 18:49	AV
Xylenes, Total	6200	50		ug/L	367023	50	11/21/2023 18:49	AV
Methyl tert-butyl ether	550	50		ug/L	367023	50	11/21/2023 18:49	AV
Naphthalene	870	250		ug/L	367023	50	11/21/2023 18:49	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 03:34	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 03:34	AV
tert-Amyl methyl ether	49	10		ug/L	367023	1	11/21/2023 03:34	AV
Isopropyl ether	210	10		ug/L	367023	1	11/21/2023 03:34	AV
tert-Butyl Alcohol	810	100		ug/L	367023	1	11/21/2023 18:27	AV
tert-Amyl alcohol	12000	5000		ug/L	367023	50	11/21/2023 18:49	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 03:34	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 03:34	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 03:34	AV
Surr: 4-Bromofluorobenzene	93.7	70-126		%REC	367023	50	11/21/2023 18:49	AV
Surr: 4-Bromofluorobenzene	93.2	70-126		%REC	367023	1	11/21/2023 03:34	AV
Surr: 4-Bromofluorobenzene	94.6	70-126		%REC	367023	1	11/21/2023 18:27	AV
Surr: Dibromofluoromethane	94.8	77-121		%REC	367023	50	11/21/2023 18:49	AV
Surr: Dibromofluoromethane	91.7	77-121		%REC	367023	1	11/21/2023 18:27	AV
Surr: Dibromofluoromethane	93.8	77-121		%REC	367023	1	11/21/2023 03:34	AV
Surr: Toluene-d8	98.8	78.6-119		%REC	367023	50	11/21/2023 18:49	AV
Surr: Toluene-d8	99.4	78.6-119		%REC	367023	1	11/21/2023 03:34	AV
Surr: Toluene-d8	101	78.6-119		%REC	367023	1	11/21/2023 18:27	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	0.420	0.078		ug/L	366979	4	11/24/2023 11:48	TB
Surr: 4-Bromofluorobenzene	96	69.7-138		%REC	366979	1	11/24/2023 10:29	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-22
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 9:44:00 AM
Lab ID:	2311J94-022	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	2.7	1.0		ug/L	367023	1	11/22/2023 09:44	AV
Toluene	BRL	1.0		ug/L	367023	1	11/22/2023 09:44	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/22/2023 09:44	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/22/2023 09:44	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/22/2023 09:44	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/22/2023 09:44	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/22/2023 09:44	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/22/2023 09:44	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/22/2023 09:44	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/22/2023 09:44	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/22/2023 09:44	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/22/2023 09:44	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/22/2023 09:44	AV
Ethanol	BRL	100		ug/L	367023	1	11/22/2023 09:44	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/22/2023 09:44	AV
Surr: 4-Bromofluorobenzene	94.2	70-126		%REC	367023	1	11/22/2023 09:44	AV
Surr: Dibromofluoromethane	92.6	77-121		%REC	367023	1	11/22/2023 09:44	AV
Surr: Toluene-d8	99.5	78.6-119		%REC	367023	1	11/22/2023 09:44	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 15:19	TB
Surr: 4-Bromofluorobenzene	144	69.7-138	S	%REC	366979	1	11/21/2023 15:19	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-22I
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 9:37:00 AM
Lab ID:	2311J94-023	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 04:20	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 04:20	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 04:20	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 04:20	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 04:20	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 04:20	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 04:20	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 04:20	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 04:20	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 04:20	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 04:20	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 04:20	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 04:20	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 04:20	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 04:20	AV
Surr: 4-Bromofluorobenzene	96	70-126		%REC	367023	1	11/21/2023 04:20	AV
Surr: Dibromofluoromethane	93.8	77-121		%REC	367023	1	11/21/2023 04:20	AV
Surr: Toluene-d8	99.7	78.6-119		%REC	367023	1	11/21/2023 04:20	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 15:37	TB
Surr: 4-Bromofluorobenzene	105	69.7-138		%REC	366979	1	11/21/2023 15:37	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-23
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 11:18:00 AM
Lab ID:	2311J94-024	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 04:43	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 04:43	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 04:43	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 04:43	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 04:43	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 04:43	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 04:43	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 04:43	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 04:43	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 04:43	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 04:43	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 04:43	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 04:43	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 04:43	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 04:43	AV
Surr: 4-Bromofluorobenzene	94.1	70-126		%REC	367023	1	11/21/2023 04:43	AV
Surr: Dibromofluoromethane	80.9	77-121		%REC	367023	1	11/21/2023 04:43	AV
Surr: Toluene-d8	99.7	78.6-119		%REC	367023	1	11/21/2023 04:43	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 15:54	TB
Surr: 4-Bromofluorobenzene	91.7	69.7-138		%REC	366979	1	11/21/2023 15:54	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-23I
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 11:10:00 AM
Lab ID:	2311J94-025	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	3.2	1.0		ug/L	367023	1	11/21/2023 05:06	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 05:06	AV
Ethylbenzene	6.4	1.0		ug/L	367023	1	11/21/2023 05:06	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 05:06	AV
Methyl tert-butyl ether	230	10		ug/L	367023	10	11/22/2023 11:39	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 05:06	AV
1,2-Dichloroethane	12	1.0		ug/L	367023	1	11/21/2023 05:06	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 05:06	AV
tert-Amyl methyl ether	13	10		ug/L	367023	1	11/21/2023 05:06	AV
Isopropyl ether	220	10		ug/L	367023	1	11/21/2023 05:06	AV
tert-Butyl Alcohol	640	100		ug/L	367023	1	11/22/2023 11:16	AV
tert-Amyl alcohol	11000	1000		ug/L	367023	10	11/22/2023 11:39	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 05:06	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 05:06	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 05:06	AV
Surr: 4-Bromofluorobenzene	88.3	70-126		%REC	367023	1	11/21/2023 05:06	AV
Surr: 4-Bromofluorobenzene	93.9	70-126		%REC	367023	1	11/22/2023 11:16	AV
Surr: 4-Bromofluorobenzene	93.7	70-126		%REC	367023	10	11/22/2023 11:39	AV
Surr: Dibromofluoromethane	93.7	77-121		%REC	367023	1	11/21/2023 05:06	AV
Surr: Dibromofluoromethane	93.7	77-121		%REC	367023	1	11/22/2023 11:16	AV
Surr: Dibromofluoromethane	93.9	77-121		%REC	367023	10	11/22/2023 11:39	AV
Surr: Toluene-d8	97.1	78.6-119		%REC	367023	1	11/21/2023 05:06	AV
Surr: Toluene-d8	99	78.6-119		%REC	367023	1	11/22/2023 11:16	AV
Surr: Toluene-d8	99.6	78.6-119		%REC	367023	10	11/22/2023 11:39	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 16:11	TB
Surr: 4-Bromofluorobenzene	122	69.7-138		%REC	366979	1	11/21/2023 16:11	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-25
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 1:15:00 PM
Lab ID:	2311J94-026	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	920	10		ug/L	367023	10	11/21/2023 19:35	AV
Toluene	1.0	1.0		ug/L	367023	1	11/21/2023 05:29	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 05:29	AV
Xylenes, Total	43	1.0		ug/L	367023	1	11/21/2023 05:29	AV
Methyl tert-butyl ether	1400	10		ug/L	367023	10	11/21/2023 19:35	AV
Naphthalene	7.7	5.0		ug/L	367023	1	11/21/2023 05:29	AV
1,2-Dichloroethane	16	1.0		ug/L	367023	1	11/21/2023 05:29	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 05:29	AV
tert-Amyl methyl ether	11	10		ug/L	367023	1	11/21/2023 05:29	AV
Isopropyl ether	18	10		ug/L	367023	1	11/21/2023 05:29	AV
tert-Butyl Alcohol	220	100		ug/L	367023	1	11/21/2023 19:12	AV
tert-Amyl alcohol	1200	100		ug/L	367023	1	11/21/2023 19:12	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 05:29	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 05:29	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 05:29	AV
Surr: 4-Bromofluorobenzene	89.4	70-126		%REC	367023	1	11/21/2023 05:29	AV
Surr: 4-Bromofluorobenzene	93.7	70-126		%REC	367023	10	11/21/2023 19:35	AV
Surr: 4-Bromofluorobenzene	94.3	70-126		%REC	367023	1	11/21/2023 19:12	AV
Surr: Dibromofluoromethane	93.2	77-121		%REC	367023	10	11/21/2023 19:35	AV
Surr: Dibromofluoromethane	94.6	77-121		%REC	367023	1	11/21/2023 05:29	AV
Surr: Dibromofluoromethane	96.2	77-121		%REC	367023	1	11/21/2023 19:12	AV
Surr: Toluene-d8	98.9	78.6-119		%REC	367023	1	11/21/2023 19:12	AV
Surr: Toluene-d8	99.5	78.6-119		%REC	367023	1	11/21/2023 05:29	AV
Surr: Toluene-d8	99.4	78.6-119		%REC	367023	10	11/21/2023 19:35	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.019		ug/L	366979	1	11/21/2023 16:29	TB
Surr: 4-Bromofluorobenzene	128	69.7-138		%REC	366979	1	11/21/2023 16:29	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-26
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 10:22:00 AM
Lab ID:	2311J94-027	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 05:52	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 05:52	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 05:52	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 05:52	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 05:52	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 05:52	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 05:52	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 05:52	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 05:52	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 05:52	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 05:52	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 05:52	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 05:52	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 05:52	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 05:52	AV
Surr: 4-Bromofluorobenzene	112	70-126		%REC	367023	1	11/21/2023 05:52	AV
Surr: Dibromofluoromethane	93.5	77-121		%REC	367023	1	11/21/2023 05:52	AV
Surr: Toluene-d8	99	78.6-119		%REC	367023	1	11/21/2023 05:52	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 17:21	TB
Surr: 4-Bromofluorobenzene	108	69.7-138		%REC	366979	1	11/21/2023 17:21	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-26I
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 10:18:00 AM
Lab ID:	2311J94-028	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 06:15	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 06:15	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 06:15	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 06:15	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 06:15	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 06:15	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 06:15	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 06:15	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 06:15	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 06:15	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 06:15	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 06:15	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 06:15	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 06:15	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 06:15	AV
Surr: 4-Bromofluorobenzene	83.4	70-126		%REC	367023	1	11/21/2023 06:15	AV
Surr: Dibromofluoromethane	92.2	77-121		%REC	367023	1	11/21/2023 06:15	AV
Surr: Toluene-d8	99.6	78.6-119		%REC	367023	1	11/21/2023 06:15	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 17:04	TB
Surr: 4-Bromofluorobenzene	110	69.7-138		%REC	366979	1	11/21/2023 17:04	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-27
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 3:31:00 PM
Lab ID:	2311J94-029	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 06:38	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 06:38	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 06:38	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 06:38	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 06:38	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 06:38	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 06:38	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 06:38	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 06:38	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 06:38	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 06:38	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 06:38	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 06:38	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 06:38	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 06:38	AV
Surr: 4-Bromofluorobenzene	87.9	70-126		%REC	367023	1	11/21/2023 06:38	AV
Surr: Dibromofluoromethane	93.2	77-121		%REC	367023	1	11/21/2023 06:38	AV
Surr: Toluene-d8	100	78.6-119		%REC	367023	1	11/21/2023 06:38	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/21/2023 01:42	TB
Surr: 4-Bromofluorobenzene	118	69.7-138		%REC	366938	1	11/21/2023 01:42	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-28
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 1:50:00 PM
Lab ID:	2311J94-030	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367023	1	11/21/2023 07:01	AV
Toluene	BRL	1.0		ug/L	367023	1	11/21/2023 07:01	AV
Ethylbenzene	BRL	1.0		ug/L	367023	1	11/21/2023 07:01	AV
Xylenes, Total	BRL	1.0		ug/L	367023	1	11/21/2023 07:01	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367023	1	11/21/2023 07:01	AV
Naphthalene	BRL	5.0		ug/L	367023	1	11/21/2023 07:01	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 07:01	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 07:01	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 07:01	AV
Isopropyl ether	BRL	10		ug/L	367023	1	11/21/2023 07:01	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 07:01	AV
tert-Amyl alcohol	BRL	100		ug/L	367023	1	11/21/2023 07:01	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 07:01	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 07:01	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 07:01	AV
Surr: 4-Bromofluorobenzene	87.4	70-126		%REC	367023	1	11/21/2023 07:01	AV
Surr: Dibromofluoromethane	92.8	77-121		%REC	367023	1	11/21/2023 07:01	AV
Surr: Toluene-d8	99.4	78.6-119		%REC	367023	1	11/21/2023 07:01	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/21/2023 01:59	TB
Surr: 4-Bromofluorobenzene	117	69.7-138		%REC	366938	1	11/21/2023 01:59	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	RW-03
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 1:45:00 PM
Lab ID:	2311J94-031	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	1000	10		ug/L	367023	10	11/22/2023 10:07	AV
Toluene	1100	10		ug/L	367023	10	11/22/2023 10:07	AV
Ethylbenzene	1300	10		ug/L	367023	10	11/22/2023 10:07	AV
Xylenes, Total	6000	10		ug/L	367023	10	11/22/2023 10:07	AV
Methyl tert-butyl ether	16	1.0		ug/L	367023	1	11/21/2023 07:24	AV
Naphthalene	170	50		ug/L	367023	10	11/22/2023 10:07	AV
1,2-Dichloroethane	23	1.0		ug/L	367023	1	11/21/2023 07:24	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 07:24	AV
tert-Amyl methyl ether	BRL	10		ug/L	367023	1	11/21/2023 07:24	AV
Isopropyl ether	21	10		ug/L	367023	1	11/21/2023 07:24	AV
tert-Butyl Alcohol	BRL	100		ug/L	367023	1	11/21/2023 07:24	AV
tert-Amyl alcohol	2000	100		ug/L	367023	1	11/21/2023 07:24	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 07:24	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 07:24	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 07:24	AV
Surr: 4-Bromofluorobenzene	95.2	70-126		%REC	367023	10	11/22/2023 10:07	AV
Surr: 4-Bromofluorobenzene	99.8	70-126		%REC	367023	1	11/21/2023 07:24	AV
Surr: Dibromofluoromethane	93.7	77-121		%REC	367023	1	11/21/2023 07:24	AV
Surr: Dibromofluoromethane	93.6	77-121		%REC	367023	10	11/22/2023 10:07	AV
Surr: Toluene-d8	99.3	78.6-119		%REC	367023	10	11/22/2023 10:07	AV
Surr: Toluene-d8	102	78.6-119		%REC	367023	1	11/21/2023 07:24	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/23/2023 09:14	TB
Surr: 4-Bromofluorobenzene	98.9	69.7-138		%REC	366979	1	11/23/2023 09:14	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-X
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 9:00:00 AM
Lab ID:	2311J94-032	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	4800	50		ug/L	367023	50	11/24/2023 13:41	AV
Toluene	1400	20		ug/L	367023	20	11/22/2023 10:53	AV
Ethylbenzene	410	20		ug/L	367023	20	11/22/2023 10:53	AV
Xylenes, Total	3700	20		ug/L	367023	20	11/22/2023 10:53	AV
Methyl tert-butyl ether	2600	20		ug/L	367023	20	11/22/2023 10:53	AV
Naphthalene	73	5.0		ug/L	367023	1	11/21/2023 07:47	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367023	1	11/21/2023 07:47	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367023	1	11/21/2023 07:47	AV
tert-Amyl methyl ether	63	10		ug/L	367023	1	11/21/2023 07:47	AV
Isopropyl ether	170	10		ug/L	367023	1	11/21/2023 07:47	AV
tert-Butyl Alcohol	580	100		ug/L	367023	1	11/22/2023 10:30	AV
tert-Amyl alcohol	2700	100		ug/L	367023	1	11/21/2023 07:47	AV
tert-Butyl formate	BRL	100		ug/L	367023	1	11/21/2023 07:47	AV
Ethanol	BRL	100		ug/L	367023	1	11/21/2023 07:47	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367023	1	11/21/2023 07:47	AV
Surr: 4-Bromofluorobenzene	95.8	70-126		%REC	367023	50	11/24/2023 13:41	AV
Surr: 4-Bromofluorobenzene	93.6	70-126		%REC	367023	1	11/21/2023 07:47	AV
Surr: 4-Bromofluorobenzene	94.3	70-126		%REC	367023	1	11/22/2023 10:30	AV
Surr: 4-Bromofluorobenzene	94.5	70-126		%REC	367023	20	11/22/2023 10:53	AV
Surr: Dibromofluoromethane	95.5	77-121		%REC	367023	50	11/24/2023 13:41	AV
Surr: Dibromofluoromethane	89	77-121		%REC	367023	1	11/22/2023 10:30	AV
Surr: Dibromofluoromethane	90	77-121		%REC	367023	1	11/21/2023 07:47	AV
Surr: Dibromofluoromethane	93.9	77-121		%REC	367023	20	11/22/2023 10:53	AV
Surr: Toluene-d8	99.6	78.6-119		%REC	367023	50	11/24/2023 13:41	AV
Surr: Toluene-d8	98.8	78.6-119		%REC	367023	1	11/22/2023 10:30	AV
Surr: Toluene-d8	101	78.6-119		%REC	367023	1	11/21/2023 07:47	AV
Surr: Toluene-d8	98.9	78.6-119		%REC	367023	20	11/22/2023 10:53	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	0.045	0.020		ug/L	366979	1	11/21/2023 18:13	TB
Surr: 4-Bromofluorobenzene	275	69.7-138	S	%REC	366979	1	11/21/2023 18:13	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-XR
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 8:49:00 AM
Lab ID:	2311J94-033	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	470	10		ug/L	367074	10	11/22/2023 14:42	AV
Toluene	1.8	1.0		ug/L	367074	1	11/21/2023 22:38	AV
Ethylbenzene	BRL	1.0		ug/L	367074	1	11/21/2023 22:38	AV
Xylenes, Total	140	1.0		ug/L	367074	1	11/21/2023 22:38	AV
Methyl tert-butyl ether	69	1.0		ug/L	367074	1	11/21/2023 22:38	AV
Naphthalene	BRL	5.0		ug/L	367074	1	11/21/2023 22:38	AV
1,2-Dichloroethane	10	1.0		ug/L	367074	1	11/21/2023 22:38	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367074	1	11/21/2023 22:38	AV
tert-Amyl methyl ether	BRL	10		ug/L	367074	1	11/21/2023 22:38	AV
Isopropyl ether	BRL	10		ug/L	367074	1	11/21/2023 22:38	AV
tert-Butyl Alcohol	120	100		ug/L	367074	1	11/21/2023 22:38	AV
tert-Amyl alcohol	1000	100		ug/L	367074	1	11/21/2023 22:38	AV
tert-Butyl formate	BRL	100		ug/L	367074	1	11/21/2023 22:38	AV
Ethanol	BRL	100		ug/L	367074	1	11/21/2023 22:38	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367074	1	11/21/2023 22:38	AV
Surr: 4-Bromofluorobenzene	92.7	70-126		%REC	367074	1	11/21/2023 22:38	AV
Surr: 4-Bromofluorobenzene	94.9	70-126		%REC	367074	10	11/22/2023 14:42	AV
Surr: Dibromofluoromethane	93.6	77-121		%REC	367074	1	11/21/2023 22:38	AV
Surr: Dibromofluoromethane	94.2	77-121		%REC	367074	10	11/22/2023 14:42	AV
Surr: Toluene-d8	99.2	78.6-119		%REC	367074	10	11/22/2023 14:42	AV
Surr: Toluene-d8	100	78.6-119		%REC	367074	1	11/21/2023 22:38	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 18:31	TB
Surr: 4-Bromofluorobenzene	107	69.7-138		%REC	366979	1	11/21/2023 18:31	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	DUP-A
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 9:02:00 AM
Lab ID:	2311J94-034	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	4700	50		ug/L	367074	50	11/22/2023 16:13	AV
Toluene	1400	10		ug/L	367074	10	11/22/2023 15:50	AV
Ethylbenzene	440	10		ug/L	367074	10	11/22/2023 15:50	AV
Xylenes, Total	3800	10		ug/L	367074	10	11/22/2023 15:50	AV
Methyl tert-butyl ether	2600	50		ug/L	367074	50	11/22/2023 16:13	AV
Naphthalene	65	5.0		ug/L	367074	1	11/22/2023 01:40	AV
1,2-Dichloroethane	54	1.0		ug/L	367074	1	11/22/2023 01:40	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367074	1	11/22/2023 01:40	AV
tert-Amyl methyl ether	64	10		ug/L	367074	1	11/22/2023 01:40	AV
Isopropyl ether	160	10		ug/L	367074	1	11/22/2023 01:40	AV
tert-Butyl Alcohol	560	100		ug/L	367074	1	11/22/2023 01:40	AV
tert-Amyl alcohol	2700	100		ug/L	367074	1	11/22/2023 01:40	AV
tert-Butyl formate	BRL	100		ug/L	367074	1	11/22/2023 01:40	AV
Ethanol	BRL	100		ug/L	367074	1	11/22/2023 01:40	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367074	1	11/22/2023 01:40	AV
Surr: 4-Bromofluorobenzene	94	70-126		%REC	367074	50	11/22/2023 16:13	AV
Surr: 4-Bromofluorobenzene	95.1	70-126		%REC	367074	10	11/22/2023 15:50	AV
Surr: 4-Bromofluorobenzene	96.2	70-126		%REC	367074	1	11/22/2023 01:40	AV
Surr: Dibromofluoromethane	94.5	77-121		%REC	367074	50	11/22/2023 16:13	AV
Surr: Dibromofluoromethane	90.9	77-121		%REC	367074	1	11/22/2023 01:40	AV
Surr: Dibromofluoromethane	93.6	77-121		%REC	367074	10	11/22/2023 15:50	AV
Surr: Toluene-d8	99	78.6-119		%REC	367074	50	11/22/2023 16:13	AV
Surr: Toluene-d8	98.6	78.6-119		%REC	367074	10	11/22/2023 15:50	AV
Surr: Toluene-d8	101	78.6-119		%REC	367074	1	11/22/2023 01:40	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	0.044	0.020		ug/L	366979	1	11/21/2023 18:48	TB
Surr: 4-Bromofluorobenzene	250	69.7-138	S	%REC	366979	1	11/21/2023 18:48	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	DUP-B
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 1:34:00 PM
Lab ID:	2311J94-035	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	3100	50		ug/L	367074	50	11/22/2023 15:27	AV
Toluene	4400	50		ug/L	367074	50	11/22/2023 15:27	AV
Ethylbenzene	1500	10		ug/L	367074	10	11/22/2023 15:04	AV
Xylenes, Total	6000	50		ug/L	367074	50	11/22/2023 15:27	AV
Methyl tert-butyl ether	640	10		ug/L	367074	10	11/22/2023 15:04	AV
Naphthalene	530	50		ug/L	367074	10	11/22/2023 15:04	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367074	1	11/21/2023 23:01	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367074	1	11/21/2023 23:01	AV
tert-Amyl methyl ether	51	10		ug/L	367074	1	11/21/2023 23:01	AV
Isopropyl ether	260	10		ug/L	367074	1	11/21/2023 23:01	AV
tert-Butyl Alcohol	710	100		ug/L	367074	1	11/21/2023 23:01	AV
tert-Amyl alcohol	11000	1000		ug/L	367074	10	11/22/2023 15:04	AV
tert-Butyl formate	BRL	100		ug/L	367074	1	11/21/2023 23:01	AV
Ethanol	BRL	100		ug/L	367074	1	11/21/2023 23:01	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367074	1	11/21/2023 23:01	AV
Surr: 4-Bromofluorobenzene	93.9	70-126		%REC	367074	50	11/22/2023 15:27	AV
Surr: 4-Bromofluorobenzene	95.2	70-126		%REC	367074	1	11/21/2023 23:01	AV
Surr: 4-Bromofluorobenzene	96.4	70-126		%REC	367074	10	11/22/2023 15:04	AV
Surr: Dibromofluoromethane	94.6	77-121		%REC	367074	50	11/22/2023 15:27	AV
Surr: Dibromofluoromethane	90.4	77-121		%REC	367074	1	11/21/2023 23:01	AV
Surr: Dibromofluoromethane	93.4	77-121		%REC	367074	10	11/22/2023 15:04	AV
Surr: Toluene-d8	99.2	78.6-119		%REC	367074	50	11/22/2023 15:27	AV
Surr: Toluene-d8	98.9	78.6-119		%REC	367074	10	11/22/2023 15:04	AV
Surr: Toluene-d8	101	78.6-119		%REC	367074	1	11/21/2023 23:01	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	0.637	0.080		ug/L	366979	4	11/24/2023 12:17	TB
Surr: 4-Bromofluorobenzene	95.6	69.7-138		%REC	366979	1	11/24/2023 11:09	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	F.B. 1
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 12:15:00 PM
Lab ID:	2311J94-036	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367074	1	11/22/2023 14:19	AV
Toluene	BRL	1.0		ug/L	367074	1	11/22/2023 14:19	AV
Ethylbenzene	BRL	1.0		ug/L	367074	1	11/22/2023 14:19	AV
Xylenes, Total	BRL	1.0		ug/L	367074	1	11/22/2023 14:19	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367074	1	11/22/2023 14:19	AV
Naphthalene	BRL	5.0		ug/L	367074	1	11/22/2023 14:19	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367074	1	11/22/2023 14:19	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367074	1	11/22/2023 14:19	AV
tert-Amyl methyl ether	BRL	10		ug/L	367074	1	11/22/2023 14:19	AV
Isopropyl ether	BRL	10		ug/L	367074	1	11/22/2023 14:19	AV
tert-Butyl Alcohol	BRL	100		ug/L	367074	1	11/22/2023 14:19	AV
tert-Amyl alcohol	BRL	100		ug/L	367074	1	11/22/2023 14:19	AV
tert-Butyl formate	BRL	100		ug/L	367074	1	11/22/2023 14:19	AV
Ethanol	BRL	100		ug/L	367074	1	11/22/2023 14:19	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367074	1	11/22/2023 14:19	AV
Surr: 4-Bromofluorobenzene	94	70-126		%REC	367074	1	11/22/2023 14:19	AV
Surr: Dibromofluoromethane	94.9	77-121		%REC	367074	1	11/22/2023 14:19	AV
Surr: Toluene-d8	97.2	78.6-119		%REC	367074	1	11/22/2023 14:19	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366938	1	11/21/2023 02:16	TB
Surr: 4-Bromofluorobenzene	118	69.7-138		%REC	366938	1	11/21/2023 02:16	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	F.B. 2
Project Name:	Westside Quick Step	**Collection Date:**	11/14/2023 10:30:00 AM
Lab ID:	2311J94-037	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367074	1	11/21/2023 23:47	AV
Toluene	BRL	1.0		ug/L	367074	1	11/21/2023 23:47	AV
Ethylbenzene	BRL	1.0		ug/L	367074	1	11/21/2023 23:47	AV
Xylenes, Total	BRL	1.0		ug/L	367074	1	11/21/2023 23:47	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367074	1	11/21/2023 23:47	AV
Naphthalene	BRL	5.0		ug/L	367074	1	11/21/2023 23:47	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367074	1	11/21/2023 23:47	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367074	1	11/21/2023 23:47	AV
tert-Amyl methyl ether	BRL	10		ug/L	367074	1	11/21/2023 23:47	AV
Isopropyl ether	BRL	10		ug/L	367074	1	11/21/2023 23:47	AV
tert-Butyl Alcohol	BRL	100		ug/L	367074	1	11/21/2023 23:47	AV
tert-Amyl alcohol	BRL	100		ug/L	367074	1	11/21/2023 23:47	AV
tert-Butyl formate	BRL	100		ug/L	367074	1	11/21/2023 23:47	AV
Ethanol	BRL	100		ug/L	367074	1	11/21/2023 23:47	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367074	1	11/21/2023 23:47	AV
Surr: 4-Bromofluorobenzene	93	70-126		%REC	367074	1	11/21/2023 23:47	AV
Surr: Dibromofluoromethane	95.6	77-121		%REC	367074	1	11/21/2023 23:47	AV
Surr: Toluene-d8	97.7	78.6-119		%REC	367074	1	11/21/2023 23:47	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/22/2023 12:52	TB
Surr: 4-Bromofluorobenzene	86.9	69.7-138		%REC	366979	1	11/21/2023 19:23	TB
Surr: 4-Bromofluorobenzene	95.9	69.7-138		%REC	366979	1	11/22/2023 12:52	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	T.B
Project Name:	Westside Quick Step	**Collection Date:**	11/16/2023 9:30:00 PM
Lab ID:	2311J94-038	**Matrix:**	Trip Blank

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367074	1	11/21/2023 12:20	AV
Toluene	BRL	1.0		ug/L	367074	1	11/21/2023 12:20	AV
Ethylbenzene	BRL	1.0		ug/L	367074	1	11/21/2023 12:20	AV
Xylenes, Total	BRL	1.0		ug/L	367074	1	11/21/2023 12:20	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367074	1	11/21/2023 12:20	AV
Naphthalene	BRL	5.0		ug/L	367074	1	11/21/2023 12:20	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367074	1	11/21/2023 12:20	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367074	1	11/21/2023 12:20	AV
tert-Amyl methyl ether	BRL	10		ug/L	367074	1	11/21/2023 12:20	AV
Isopropyl ether	BRL	10		ug/L	367074	1	11/21/2023 12:20	AV
tert-Butyl Alcohol	BRL	100		ug/L	367074	1	11/21/2023 12:20	AV
tert-Amyl alcohol	BRL	100		ug/L	367074	1	11/21/2023 12:20	AV
tert-Butyl formate	BRL	100		ug/L	367074	1	11/21/2023 12:20	AV
Ethanol	BRL	100		ug/L	367074	1	11/21/2023 12:20	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367074	1	11/21/2023 12:20	AV
Surr: 4-Bromofluorobenzene	83.5	70-126		%REC	367074	1	11/21/2023 12:20	AV
Surr: Dibromofluoromethane	92.2	77-121		%REC	367074	1	11/21/2023 12:20	AV
Surr: Toluene-d8	99.8	78.6-119		%REC	367074	1	11/21/2023 12:20	AV

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	T.B
Project Name:	Westside Quick Step	**Collection Date:**	11/16/2023 9:30:00 PM
Lab ID:	2311J94-039	**Matrix:**	Trip Blank

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367074	1	11/21/2023 12:43	AV
Toluene	BRL	1.0		ug/L	367074	1	11/21/2023 12:43	AV
Ethylbenzene	BRL	1.0		ug/L	367074	1	11/21/2023 12:43	AV
Xylenes, Total	BRL	1.0		ug/L	367074	1	11/21/2023 12:43	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367074	1	11/21/2023 12:43	AV
Naphthalene	BRL	5.0		ug/L	367074	1	11/21/2023 12:43	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367074	1	11/21/2023 12:43	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367074	1	11/21/2023 12:43	AV
tert-Amyl methyl ether	BRL	10		ug/L	367074	1	11/21/2023 12:43	AV
Isopropyl ether	BRL	10		ug/L	367074	1	11/21/2023 12:43	AV
tert-Butyl Alcohol	BRL	100		ug/L	367074	1	11/21/2023 12:43	AV
tert-Amyl alcohol	BRL	100		ug/L	367074	1	11/21/2023 12:43	AV
tert-Butyl formate	BRL	100		ug/L	367074	1	11/21/2023 12:43	AV
Ethanol	BRL	100		ug/L	367074	1	11/21/2023 12:43	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367074	1	11/21/2023 12:43	AV
Surr: 4-Bromofluorobenzene	85.3	70-126		%REC	367074	1	11/21/2023 12:43	AV
Surr: Dibromofluoromethane	93.2	77-121		%REC	367074	1	11/21/2023 12:43	AV
Surr: Toluene-d8	99.3	78.6-119		%REC	367074	1	11/21/2023 12:43	AV

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	T.B
Project Name:	Westside Quick Step	**Collection Date:**	11/16/2023 9:30:00 PM
Lab ID:	2311J94-040	**Matrix:**	Trip Blank

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367074	1	11/21/2023 13:06	AV
Toluene	BRL	1.0		ug/L	367074	1	11/21/2023 13:06	AV
Ethylbenzene	BRL	1.0		ug/L	367074	1	11/21/2023 13:06	AV
Xylenes, Total	BRL	1.0		ug/L	367074	1	11/21/2023 13:06	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367074	1	11/21/2023 13:06	AV
Naphthalene	BRL	5.0		ug/L	367074	1	11/21/2023 13:06	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367074	1	11/21/2023 13:06	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367074	1	11/21/2023 13:06	AV
tert-Amyl methyl ether	BRL	10		ug/L	367074	1	11/21/2023 13:06	AV
Isopropyl ether	BRL	10		ug/L	367074	1	11/21/2023 13:06	AV
tert-Butyl Alcohol	BRL	100		ug/L	367074	1	11/21/2023 13:06	AV
tert-Amyl alcohol	BRL	100		ug/L	367074	1	11/21/2023 13:06	AV
tert-Butyl formate	BRL	100		ug/L	367074	1	11/21/2023 13:06	AV
Ethanol	BRL	100		ug/L	367074	1	11/21/2023 13:06	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367074	1	11/21/2023 13:06	AV
Surr: 4-Bromofluorobenzene	88.1	70-126		%REC	367074	1	11/21/2023 13:06	AV
Surr: Dibromofluoromethane	92.5	77-121		%REC	367074	1	11/21/2023 13:06	AV
Surr: Toluene-d8	99.2	78.6-119		%REC	367074	1	11/21/2023 13:06	AV

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc **Date:** 28-Nov-23

Client:	Petra-Tech Environmental, LLC	**Client Sample ID:**	MW-27I
Project Name:	Westside Quick Step	**Collection Date:**	11/13/2023 3:16:00 PM
Lab ID:	2311J94-041	**Matrix:**	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Volatile Organic Compounds SW8260D				**(SW5030B)**				
Benzene	BRL	1.0		ug/L	367074	1	11/22/2023 00:10	AV
Toluene	BRL	1.0		ug/L	367074	1	11/22/2023 00:10	AV
Ethylbenzene	BRL	1.0		ug/L	367074	1	11/22/2023 00:10	AV
Xylenes, Total	BRL	1.0		ug/L	367074	1	11/22/2023 00:10	AV
Methyl tert-butyl ether	BRL	1.0		ug/L	367074	1	11/22/2023 00:10	AV
Naphthalene	BRL	5.0		ug/L	367074	1	11/22/2023 00:10	AV
1,2-Dichloroethane	BRL	1.0		ug/L	367074	1	11/22/2023 00:10	AV
Ethyl tert-butyl ether	BRL	10		ug/L	367074	1	11/22/2023 00:10	AV
tert-Amyl methyl ether	BRL	10		ug/L	367074	1	11/22/2023 00:10	AV
Isopropyl ether	BRL	10		ug/L	367074	1	11/22/2023 00:10	AV
tert-Butyl Alcohol	BRL	100		ug/L	367074	1	11/22/2023 00:10	AV
tert-Amyl alcohol	BRL	100		ug/L	367074	1	11/22/2023 00:10	AV
tert-Butyl formate	BRL	100		ug/L	367074	1	11/22/2023 00:10	AV
Ethanol	BRL	100		ug/L	367074	1	11/22/2023 00:10	AV
3,3-Dimethyl-1-butanol	BRL	100		ug/L	367074	1	11/22/2023 00:10	AV
Surr: 4-Bromofluorobenzene	92	70-126		%REC	367074	1	11/22/2023 00:10	AV
Surr: Dibromofluoromethane	93.6	77-121		%REC	367074	1	11/22/2023 00:10	AV
Surr: Toluene-d8	99.5	78.6-119		%REC	367074	1	11/22/2023 00:10	AV
MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011				**(SW8011)**				
1,2-Dibromoethane	BRL	0.020		ug/L	366979	1	11/21/2023 19:40	TB
Surr: 4-Bromofluorobenzene	98.1	69.7-138		%REC	366979	1	11/21/2023 19:40	TB

Qualifiers:

*	Value exceeds maximum contaminant level	E	Estimated (value above quantitation range)
BRL	Below reporting limit	S	Spike Recovery outside limits due to matrix
H	Holding times for preparation or analysis exceeded	Narr	See case narrative
N	Analyte not NELAC certified	F	Analyzed in the lab which is a deviation from the method
B	Analyte detected in the associated method blank	<	Less than Result value
>	Greater than Result value	J	Estimated value detected below Reporting Limit

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ANALYTICAL ENVIRONMENTAL SERVICES, INC.

SAMPLE/COOLER RECEIPT CHECKLIST

1. Client Name: **Petra-Tech Environmental, LLC** AES Work Order Number: **2311J94**
2. Carrier: FedEx ☐ UPS ☐ USPS ☐ Client ☐ Courier ☑ Other _____

		Yes	No	N/A	Details	Comments
3.	Shipping container/cooler received in good condition?	●	○	○	damaged ☐ leaking ☐ other ☐	
4.	Custody seals present on shipping container?	○	●	○		
5.	Custody seals intact on shipping container?	○	○	●		
6.	Cooler temperature(s) within limits of 0-6ºC? [See item 12 for temperature recordings.]	●	○	○		
7.	Chain of Custody (COC) present?	●	○	○		
8.	Chain of Custody signed, dated, and timed when relinquished and received?	●	○	○		
9.	Sampler name and/or signature on COC?	●	○	○		
10.	Were all samples received within holding time?	●	○	○		
11.	TAT marked on the COC?	●	○	○	If no TAT indicated, proceeded with standard TAT per Terms & Conditions.	

12. Cooler 1 Temperature 1.4 ºC Cooler 2 Temperature 1.4 ºC Cooler 3 Temperature 1.4 ºC Cooler 4 Temperature _____ ºC
Cooler 5 Temperature _____ ºC Cooler 6 Temperature _____ ºC Cooler 7 Temperature _____ ºC Cooler 8 Temperature _____ ºC

13. Comments: _____

I certify that I have completed sections 1-13 (dated initials). CP 11/17/23

		Yes	No	N/A	Details	Comments
14.	Temperature blanks present?	●	○	○		
15.	Were sample containers intact upon receipt?	●	○	○		
16.	Custody seals present on sample containers?	●	○	○		
17.	Custody seals intact on sample containers?	●	○	○		
18.	Do sample container labels match the COC?	●	○	○	incomplete info ☐ illegible ☐ no label ☐ other ☐	
19.	Are analyses requested indicated on the COC?	●	○	○		
20.	Were all of the samples listed on the COC received?	●	○	○	samples received but not listed on COC ☑ samples listed on COC not received ☐	Extra sample labeled MW-27I
21.	Was the sample collection date/time noted?	●	○	○		
22.	Did we receive sufficient sample volume for indicated analyses?	●	○	○		
23.	Were samples received in appropriate containers?	●	○	○		
24.	Were VOA samples received without headspace (< 1/4" bubble)?	●	○	○		
25.	Were trip blanks submitted?	●	○	○	listed on COC ☑ not listed on COC ☐	

26. Comments: _____

I certify that I have completed sections 14-26 (dated initials). AB 11/18/23

This section only applies to samples where pH can be checked at Sample Receipt.

		Yes	No	N/A	Details	Comments
27.	Have containers needing chemical preservation been checked?*	○	○	●		
28.	Containers meet preservation guidelines?	○	○	●		
29.	Was pH adjusted at Sample Receipt?	○	○	●		

***Note: Certain analyses require chemical preservation but must be checked in the laboratory and not upon Sample Receipt such as Coliforms, VOCs and Oil & Grease/TPH. This also excludes metals by EPA 200.7, 200.8 and 245.1 which will be verified between 16 and 24 hours after preservation.**

I certify that I have completed sections 27-29(dated initials). AB 11/18/23

Analytical Environmental Services, Inc

Date: 29-Nov-23

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Lab Order: 2311J94

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2311J94-001A	MW-02	11/14/2023 1:05:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/20/2023
2311J94-001B	MW-02	11/14/2023 1:05:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-002A	MW-03	11/13/2023 3:40:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/18/2023
2311J94-002B	MW-03	11/13/2023 3:40:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-003A	MW-04	11/14/2023 12:10:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/18/2023
2311J94-003B	MW-04	11/14/2023 12:10:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-004A	MW-04I	11/14/2023 11:55:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/18/2023
2311J94-004B	MW-04I	11/14/2023 11:55:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-005A	MW-06	11/13/2023 1:11:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/18/2023
2311J94-005B	MW-06	11/13/2023 1:11:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-006A	MW-08	11/13/2023 2:03:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/19/2023
2311J94-006B	MW-08	11/13/2023 2:03:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-007A	MW-09	11/13/2023 2:12:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/19/2023
2311J94-007B	MW-09	11/13/2023 2:12:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-008A	MW-10	11/13/2023 2:27:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/19/2023
2311J94-008B	MW-10	11/13/2023 2:27:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-009A	MW-11	11/13/2023 2:38:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/19/2023
2311J94-009B	MW-11	11/13/2023 2:38:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-010A	MW-12	11/14/2023 12:57:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/19/2023
2311J94-010A	MW-12	11/14/2023 12:57:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/20/2023
2311J94-010B	MW-12	11/14/2023 12:57:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/22/2023
2311J94-011A	MW-12I	11/14/2023 12:41:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/20/2023
2311J94-011B	MW-12I	11/14/2023 12:41:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-012A	MW-14	11/13/2023 1:22:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/18/2023 2:35:00PM	11/19/2023
2311J94-012B	MW-14	11/13/2023 1:22:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/20/2023
2311J94-013A	MW-14I	11/13/2023 1:04:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-013B	MW-14I	11/13/2023 1:04:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/21/2023
2311J94-014A	MW-16	11/13/2023 12:29:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-014B	MW-16	11/13/2023 12:29:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/21/2023

Analytical Environmental Services, Inc

Date: 29-Nov-23

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Lab Order: 2311J94

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2311J94-015A	MW-16I	11/13/2023 12:15:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-015B	MW-16I	11/13/2023 12:15:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/21/2023
2311J94-016A	MW-17	11/14/2023 2:33:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-016B	MW-17	11/14/2023 2:33:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-017A	MW-17I	11/14/2023 2:28:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-017B	MW-17I	11/14/2023 2:28:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-018A	MW-19	11/13/2023 4:30:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-018B	MW-19	11/13/2023 4:30:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/21/2023
2311J94-019A	MW-19I	11/13/2023 4:19:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-019B	MW-19I	11/13/2023 4:19:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/21/2023
2311J94-020A	MW-20	11/14/2023 10:35:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-020B	MW-20	11/14/2023 10:35:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-021A	MW-21	11/14/2023 1:30:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-021B	MW-21	11/14/2023 1:30:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/24/2023
2311J94-022A	MW-22	11/14/2023 9:44:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/22/2023
2311J94-022B	MW-22	11/14/2023 9:44:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-023A	MW-22I	11/14/2023 9:37:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-023B	MW-22I	11/14/2023 9:37:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-024A	MW-23	11/14/2023 11:18:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-024B	MW-23	11/14/2023 11:18:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-025A	MW-23I	11/14/2023 11:10:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-025A	MW-23I	11/14/2023 11:10:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/22/2023
2311J94-025B	MW-23I	11/14/2023 11:10:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-026A	MW-25	11/14/2023 1:15:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-026B	MW-25	11/14/2023 1:15:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-027A	MW-26	11/14/2023 10:22:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-027B	MW-26	11/14/2023 10:22:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-028A	MW-26I	11/14/2023 10:18:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-028B	MW-26I	11/14/2023 10:18:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023

Analytical Environmental Services, Inc

Date: 29-Nov-23

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Lab Order: 2311J94

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
2311J94-029A	MW-27	11/13/2023 3:31:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-029B	MW-27	11/13/2023 3:31:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/21/2023
2311J94-030A	MW-28	11/13/2023 1:50:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-030B	MW-28	11/13/2023 1:50:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/21/2023
2311J94-031A	RW-03	11/14/2023 1:45:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-031A	RW-03	11/14/2023 1:45:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/22/2023
2311J94-031B	RW-03	11/14/2023 1:45:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/23/2023
2311J94-032A	MW-X	11/14/2023 9:00:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/21/2023
2311J94-032A	MW-X	11/14/2023 9:00:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/22/2023
2311J94-032A	MW-X	11/14/2023 9:00:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/20/2023 10:12:00PM	11/24/2023
2311J94-032B	MW-X	11/14/2023 9:00:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-033A	MW-XR	11/14/2023 8:49:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/21/2023
2311J94-033A	MW-XR	11/14/2023 8:49:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/22/2023
2311J94-033B	MW-XR	11/14/2023 8:49:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-034A	DUP-A	11/14/2023 9:02:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/22/2023
2311J94-034B	DUP-A	11/14/2023 9:02:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-035A	DUP-B	11/14/2023 1:34:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/21/2023
2311J94-035A	DUP-B	11/14/2023 1:34:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/22/2023
2311J94-035B	DUP-B	11/14/2023 1:34:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/24/2023
2311J94-036A	F.B. 1	11/13/2023 12:15:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/22/2023
2311J94-036B	F.B. 1	11/13/2023 12:15:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 10:23:01AM	11/21/2023
2311J94-037A	F.B. 2	11/14/2023 10:30:00AM	Groundwater	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/21/2023
2311J94-037B	F.B. 2	11/14/2023 10:30:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023
2311J94-037B	F.B. 2	11/14/2023 10:30:00AM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/22/2023
2311J94-038A	T.B	11/16/2023 9:30:00PM	Trip Blank	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/21/2023
2311J94-039A	T.B	11/16/2023 9:30:00PM	Trip Blank	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/21/2023
2311J94-040A	T.B	11/16/2023 9:30:00PM	Trip Blank	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/21/2023
2311J94-041A	MW-27I	11/13/2023 3:16:00PM	Groundwater	Volatile Organic Compounds by GC/MS		11/21/2023 8:47:00AM	11/22/2023
2311J94-041B	MW-27I	11/13/2023 3:16:00PM	Groundwater	MICRO-EXTRACTABLE VOCs		11/20/2023 3:43:58PM	11/21/2023

Analytical Environmental Services, Inc

Date: 29-Nov-23

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Lab Order: 2311J94

Dates Report

Lab Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 366925

Sample ID: **MB-366925** Client ID: Units: **ug/L** Prep Date: **11/18/2023** Run No: **531657**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **366925** Analysis Date: **11/18/2023** Seq No: **12625160**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	1.0									
3,3-Dimethyl-1-butanol	BRL	100									
Benzene	BRL	1.0									
Ethanol	BRL	100									
Ethyl tert-butyl ether	BRL	10									
Ethylbenzene	BRL	1.0									
Isopropyl ether	BRL	10									
Methyl tert-butyl ether	BRL	1.0									
Naphthalene	BRL	5.0									
tert-Amyl alcohol	BRL	100									
tert-Amyl methyl ether	BRL	10									
tert-Butyl Alcohol	BRL	100									
tert-Butyl formate	BRL	100									
Toluene	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	47.02	0	50.00		94.0	70	126				
Surr: Dibromofluoromethane	47.51	0	50.00		95.0	77	121				
Surr: Toluene-d8	49.83	0	50.00		99.7	78.6	119				

Sample ID: **LCS-366925** Client ID: Units: **ug/L** Prep Date: **11/18/2023** Run No: **531657**
SampleType: **LCS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **366925** Analysis Date: **11/18/2023** Seq No: **12625161**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	52.38	1.0	50.00		105	72.4	127				
3,3-Dimethyl-1-butanol	474.4	100	500.0		94.9	64.3	125				
Benzene	53.19	1.0	50.00		106	76.3	122				
Ethanol	454.4	100	500.0		90.9	61.3	129				

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 366925

Sample ID: **LCS-366925** Client ID: Units: **ug/L** Prep Date: **11/18/2023** Run No: **531657**
SampleType: **LCS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **366925** Analysis Date: **11/18/2023** Seq No: **12625161**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethyl tert-butyl ether	105.6	10	100.0		106	80.3	123				
Ethylbenzene	52.51	1.0	50.00		105	75	127				
Isopropyl ether	103.8	10	100.0		104	78	125				
Methyl tert-butyl ether	56.11	1.0	50.00		112	76.1	123				
Naphthalene	50.64	5.0	50.00		101	66.7	129				
tert-Amyl alcohol	507.2	100	500.0		101	67.6	130				
tert-Amyl methyl ether	108.9	10	100.0		109	78.6	123				
tert-Butyl Alcohol	574.2	100	500.0		115	70.6	129				
tert-Butyl formate	506.9	100	500.0		101	64.3	129				
Toluene	53.51	1.0	50.00		107	74.3	124				
Xylenes, Total	155.8	1.0	150.0		104	74.6	128				
Surr: 4-Bromofluorobenzene	47.61	0	50.00		95.2	70	126				
Surr: Dibromofluoromethane	48.45	0	50.00		96.9	77	121				
Surr: Toluene-d8	48.47	0	50.00		96.9	78.6	119				

Sample ID: **2311J94-003AMS** Client ID: **MW-04** Units: **ug/L** Prep Date: **11/18/2023** Run No: **531657**
SampleType: **MS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **366925** Analysis Date: **11/20/2023** Seq No: **12627255**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	49.09	1.0	50.00		98.2	70.5	133				
3,3-Dimethyl-1-butanol	548.1	100	500.0		110	54.5	132				
Benzene	55.98	1.0	50.00		112	71.3	133				
Ethanol	473.8	100	500.0		94.8	55.3	137				
Ethyl tert-butyl ether	104.1	10	100.0		104	76	129				
Ethylbenzene	55.64	1.0	50.00		111	74.6	131				
Isopropyl ether	105.2	10	100.0		105	72.6	133				
Methyl tert-butyl ether	54.95	1.0	50.00		110	70.2	130				
Naphthalene	48.53	5.0	50.00		97.1	63	134				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 366925

Sample ID: **2311J94-003AMS** Client ID: **MW-04** Units: **ug/L** Prep Date: **11/18/2023** Run No: **531657**
SampleType: **MS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **366925** Analysis Date: **11/20/2023** Seq No: **12627255**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
tert-Amyl alcohol	555.1	100	500.0		111	57.4	136				
tert-Amyl methyl ether	106.9	10	100.0		107	75.7	128				
tert-Butyl Alcohol	902.0	100	500.0		180	65.6	138				S
tert-Butyl formate	BRL	100	500.0		0	52.2	126				S
Toluene	58.26	1.0	50.00		117	72	134				
Xylenes, Total	161.4	1.0	150.0		108	73.8	131				
Surr: 4-Bromofluorobenzene	47.17	0	50.00		94.3	70	126				
Surr: Dibromofluoromethane	47.41	0	50.00		94.8	77	121				
Surr: Toluene-d8	49.89	0	50.00		99.8	78.6	119				

Sample ID: **2311J94-002ADUP** Client ID: **MW-03** Units: **ug/L** Prep Date: **11/18/2023** Run No: **531657**
SampleType: **DUP** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **366925** Analysis Date: **11/20/2023** Seq No: **12627250**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	1.0						0	0	30	
3,3-Dimethyl-1-butanol	BRL	100						0	0	30	
Benzene	BRL	1.0						0	0	30	
Ethanol	BRL	100						0	0	30	
Ethyl tert-butyl ether	BRL	10						0	0	30	
Ethylbenzene	BRL	1.0						0	0	30	
Isopropyl ether	BRL	10						0	0	30	
Methyl tert-butyl ether	BRL	1.0						0	0	30	
Naphthalene	BRL	5.0						0	0	30	
tert-Amyl alcohol	BRL	100						0	0	30	
tert-Amyl methyl ether	BRL	10						0	0	30	
tert-Butyl Alcohol	BRL	100						0	0	30	
tert-Butyl formate	BRL	100						0	0	30	
Toluene	BRL	1.0						0	0	30	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: **366925**

Sample ID: **2311J94-002ADUP** Client ID: **MW-03** Units: **ug/L** Prep Date: **11/18/2023** Run No: **531657**
SampleType: **DUP** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **366925** Analysis Date: **11/20/2023** Seq No: **12627250**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Xylenes, Total	BRL	1.0						0	0	30	
Surr: 4-Bromofluorobenzene	41.61	0				70	126	48.24	0	30	
Surr: Dibromofluoromethane	47.24	0				77	121	47.75	0	30	
Surr: Toluene-d8	50.37	0				78.6	119	43.77	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 366938

Sample ID: **MB-366938** Client ID: Units: **ug/L** Prep Date: **11/20/2023** Run No: **531844**
SampleType: **MBLK** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366938** Analysis Date: **11/20/2023** Seq No: **12630256**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	BRL	0.020									
Surr: 4-Bromofluorobenzene	5.069	0	5.000		101	70	130				

Sample ID: **LCS-366938** Client ID: Units: **ug/L** Prep Date: **11/20/2023** Run No: **531844**
SampleType: **LCS** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366938** Analysis Date: **11/20/2023** Seq No: **12630257**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.09300	0.020	0.1000		93.0	60	140				
Surr: 4-Bromofluorobenzene	5.243	0	5.000		105	70	130				

Sample ID: **LCSD-366938** Client ID: Units: **ug/L** Prep Date: **11/20/2023** Run No: **531844**
SampleType: **LCSD** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366938** Analysis Date: **11/20/2023** Seq No: **12630258**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.09300	0.020	0.1000		93.0	60	140	0.09300	0	20	
Surr: 4-Bromofluorobenzene	5.120	0	5.000		102	70	130	5.243	0	0	

Sample ID: **2311J94-001BMS** Client ID: **MW-02** Units: **ug/L** Prep Date: **11/20/2023** Run No: **531844**
SampleType: **MS** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366938** Analysis Date: **11/20/2023** Seq No: **12630262**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.1040	0.020	0.1009		103	67.7	130				
Surr: 4-Bromofluorobenzene	7.483	0	5.046		148	69.7	138				S

Sample ID: **2311J94-002BDUP** Client ID: **MW-03** Units: **ug/L** Prep Date: **11/20/2023** Run No: **531844**
SampleType: **DUP** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366938** Analysis Date: **11/20/2023** Seq No: **12630264**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	BRL	0.020						0	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: **366938**

Sample ID: **2311J94-002BDUP** Client ID: **MW-03** Units: **ug/L** Prep Date: **11/20/2023** Run No: **531844**
SampleType: **DUP** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366938** Analysis Date: **11/20/2023** Seq No: **12630264**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	5.861	0	5.004		117	69.7	138	5.681	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 366979

Sample ID: **MB-366979** Client ID: Units: **ug/L** Prep Date: **11/20/2023** Run No: **531918**
SampleType: **MBLK** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366979** Analysis Date: **11/21/2023** Seq No: **12634205**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	BRL	0.020									
Surr: 4-Bromofluorobenzene	4.933	0	5.000		98.7	70	130				

Sample ID: **LCS-366979** Client ID: Units: **ug/L** Prep Date: **11/20/2023** Run No: **531918**
SampleType: **LCS** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366979** Analysis Date: **11/21/2023** Seq No: **12634206**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.09400	0.020	0.1000		94.0	60	140				
Surr: 4-Bromofluorobenzene	5.138	0	5.000		103	70	130				

Sample ID: **LCSD-366979** Client ID: Units: **ug/L** Prep Date: **11/20/2023** Run No: **531918**
SampleType: **LCSD** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366979** Analysis Date: **11/21/2023** Seq No: **12634207**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.09400	0.020	0.1000		94.0	60	140	0.09400	0	20	
Surr: 4-Bromofluorobenzene	5.059	0	5.000		101	70	130	5.138	0	0	

Sample ID: **2311J94-021BMS** Client ID: **MW-21** Units: **ug/L** Prep Date: **11/20/2023** Run No: **532022**
SampleType: **MS** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366979** Analysis Date: **11/24/2023** Seq No: **12635257**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	3.800	0	4.996		76.1	69.7	138				

Sample ID: **2311J94-021BMS** Client ID: **MW-21** Units: **ug/L** Prep Date: **11/20/2023** Run No: **532022**
SampleType: **MS** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366979** Analysis Date: **11/24/2023** Seq No: **12635260**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	0.4556	0.080	0.0999	0.4198	35.8	67.7	130				S

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: **366979**

Sample ID: **2311J94-026BDUP** Client ID: **MW-25** Units: **ug/L** Prep Date: **11/20/2023** Run No: **531918**
SampleType: **DUP** TestCode: **MICRO-EXTRACTABLE VOLATILE ORGANICS SW8011** BatchID: **366979** Analysis Date: **11/21/2023** Seq No: **12634223**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dibromoethane	BRL	0.020						0	0	30	
Surr: 4-Bromofluorobenzene	6.013	0	4.921		122	69.7	138	6.195	0	0	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 367023

Sample ID: **MB-367023** Client ID: Units: **ug/L** Prep Date: **11/20/2023** Run No: **531799**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367023** Analysis Date: **11/20/2023** Seq No: **12628970**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	1.0									
3,3-Dimethyl-1-butanol	BRL	100									
Benzene	BRL	1.0									
Ethanol	BRL	100									
Ethyl tert-butyl ether	BRL	10									
Ethylbenzene	BRL	1.0									
Isopropyl ether	BRL	10									
Methyl tert-butyl ether	BRL	1.0									
Naphthalene	BRL	5.0									
tert-Amyl alcohol	BRL	100									
tert-Amyl methyl ether	BRL	10									
tert-Butyl Alcohol	BRL	100									
tert-Butyl formate	BRL	100									
Toluene	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	48.55	0	50.00		97.1	70	126				
Surr: Dibromofluoromethane	46.98	0	50.00		94.0	77	121				
Surr: Toluene-d8	44.83	0	50.00		89.7	78.6	119				

Sample ID: **LCS-367023** Client ID: Units: **ug/L** Prep Date: **11/20/2023** Run No: **531799**
SampleType: **LCS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367023** Analysis Date: **11/20/2023** Seq No: **12628993**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	55.89	1.0	50.00		112	72.4	127				
3,3-Dimethyl-1-butanol	484.2	100	500.0		96.8	64.3	125				
Benzene	56.82	1.0	50.00		114	76.3	122				
Ethanol	599.4	100	500.0		120	61.3	129				
Ethyl tert-butyl ether	108.2	10	100.0		108	80.3	123				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 367023

Sample ID: **LCS-367023** Client ID: Units: **ug/L** Prep Date: **11/20/2023** Run No: **531799**
SampleType: **LCS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367023** Analysis Date: **11/20/2023** Seq No: **12628993**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethylbenzene	57.13	1.0	50.00		114	75	127				
Isopropyl ether	111.2	10	100.0		111	78	125				
Methyl tert-butyl ether	56.16	1.0	50.00		112	76.1	123				
Naphthalene	49.76	5.0	50.00		99.5	66.7	129				
tert-Amyl alcohol	557.8	100	500.0		112	67.6	130				
tert-Amyl methyl ether	112.4	10	100.0		112	78.6	123				
tert-Butyl Alcohol	623.1	100	500.0		125	70.6	129				
tert-Butyl formate	539.6	100	500.0		108	64.3	129				
Toluene	58.66	1.0	50.00		117	74.3	124				
Xylenes, Total	168.8	1.0	150.0		113	74.6	128				
Surr: 4-Bromofluorobenzene	47.23	0	50.00		94.5	70	126				
Surr: Dibromofluoromethane	46.98	0	50.00		94.0	77	121				
Surr: Toluene-d8	49.34	0	50.00		98.7	78.6	119				

Sample ID: **2311J94-015AMS** Client ID: **MW-16I** Units: **ug/L** Prep Date: **11/20/2023** Run No: **531799**
SampleType: **MS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367023** Analysis Date: **11/21/2023** Seq No: **12630806**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	56.22	1.0	50.00		112	70.5	133				
3,3-Dimethyl-1-butanol	515.7	100	500.0		103	54.5	132				
Benzene	56.32	1.0	50.00		113	71.3	133				
Ethanol	674.7	100	500.0		135	55.3	137				
Ethyl tert-butyl ether	106.5	10	100.0		106	76	129				
Ethylbenzene	56.08	1.0	50.00		112	74.6	131				
Isopropyl ether	107.4	10	100.0		107	72.6	133				
Methyl tert-butyl ether	54.99	1.0	50.00		110	70.2	130				
Naphthalene	41.57	5.0	50.00		83.1	63	134				
tert-Amyl alcohol	561.8	100	500.0		112	57.4	136				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 367023

Sample ID: **2311J94-015AMS** Client ID: **MW-16I** Units: **ug/L** Prep Date: **11/20/2023** Run No: **531799**
SampleType: **MS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367023** Analysis Date: **11/21/2023** Seq No: **12630806**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
tert-Amyl methyl ether	107.0	10	100.0		107	75.7	128				
tert-Butyl Alcohol	950.1	100	500.0		190	65.6	138				S
tert-Butyl formate	BRL	100	500.0		0	52.2	126				S
Toluene	58.06	1.0	50.00		116	72	134				
Xylenes, Total	164.1	1.0	150.0		109	73.8	131				
Surr: 4-Bromofluorobenzene	46.80	0	50.00		93.6	70	126				
Surr: Dibromofluoromethane	46.86	0	50.00		93.7	77	121				
Surr: Toluene-d8	49.84	0	50.00		99.7	78.6	119				

Sample ID: **2311J94-014ADUP** Client ID: **MW-16** Units: **ug/L** Prep Date: **11/20/2023** Run No: **531799**
SampleType: **DUP** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367023** Analysis Date: **11/21/2023** Seq No: **12630797**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	1.0						0	0	30	
3,3-Dimethyl-1-butanol	BRL	100						0	0	30	
Benzene	BRL	1.0						0	0	30	
Ethanol	BRL	100						0	0	30	
Ethyl tert-butyl ether	BRL	10						0	0	30	
Ethylbenzene	BRL	1.0						0	0	30	
Isopropyl ether	BRL	10						0	0	30	
Methyl tert-butyl ether	BRL	1.0						0	0	30	
Naphthalene	BRL	5.0						0	0	30	
tert-Amyl alcohol	BRL	100						0	0	30	
tert-Amyl methyl ether	BRL	10						0	0	30	
tert-Butyl Alcohol	BRL	100						0	0	30	
tert-Butyl formate	BRL	100						0	0	30	
Toluene	BRL	1.0						0	0	30	
Xylenes, Total	BRL	1.0						0	0	30	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: **367023**

Sample ID: **2311J94-014ADUP** Client ID: **MW-16** Units: **ug/L** Prep Date: **11/20/2023** Run No: **531799**
SampleType: **DUP** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367023** Analysis Date: **11/21/2023** Seq No: **12630797**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	46.52	0				70	126	45.89	0	30	
Surr: Dibromofluoromethane	46.91	0				77	121	46.50	0	30	
Surr: Toluene-d8	50.20	0				78.6	119	48.52	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 367074

Sample ID: **MB-367074** Client ID: Units: **ug/L** Prep Date: **11/21/2023** Run No: **531865**
SampleType: **MBLK** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367074** Analysis Date: **11/21/2023** Seq No: **12630892**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	1.0									
3,3-Dimethyl-1-butanol	BRL	100									
Benzene	BRL	1.0									
Ethanol	BRL	100									
Ethyl tert-butyl ether	BRL	10									
Ethylbenzene	BRL	1.0									
Isopropyl ether	BRL	10									
Methyl tert-butyl ether	BRL	1.0									
Naphthalene	BRL	5.0									
tert-Amyl alcohol	BRL	100									
tert-Amyl methyl ether	BRL	10									
tert-Butyl Alcohol	BRL	100									
tert-Butyl formate	BRL	100									
Toluene	BRL	1.0									
Xylenes, Total	BRL	1.0									
Surr: 4-Bromofluorobenzene	41.31	0	50.00		82.6	70	126				
Surr: Dibromofluoromethane	46.21	0	50.00		92.4	77	121				
Surr: Toluene-d8	49.66	0	50.00		99.3	78.6	119				

Sample ID: **LCS-367074** Client ID: Units: **ug/L** Prep Date: **11/21/2023** Run No: **531865**
SampleType: **LCS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367074** Analysis Date: **11/21/2023** Seq No: **12630941**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	44.35	1.0	50.00		88.7	72.4	127				
3,3-Dimethyl-1-butanol	488.7	100	500.0		97.7	64.3	125				
Benzene	48.11	1.0	50.00		96.2	76.3	122				
Ethanol	470.8	100	500.0		94.2	61.3	129				
Ethyl tert-butyl ether	88.78	10	100.0		88.8	80.3	123				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 367074

Sample ID: **LCS-367074** Client ID: Units: **ug/L** Prep Date: **11/21/2023** Run No: **531865**
SampleType: **LCS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367074** Analysis Date: **11/21/2023** Seq No: **12630941**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethylbenzene	48.14	1.0	50.00		96.3	75	127				
Isopropyl ether	81.69	10	100.0		81.7	78	125				
Methyl tert-butyl ether	41.22	1.0	50.00		82.4	76.1	123				
Naphthalene	49.17	5.0	50.00		98.3	66.7	129				
tert-Amyl alcohol	477.1	100	500.0		95.4	67.6	130				
tert-Amyl methyl ether	91.40	10	100.0		91.4	78.6	123				
tert-Butyl Alcohol	486.3	100	500.0		97.3	70.6	129				
tert-Butyl formate	402.2	100	500.0		80.4	64.3	129				
Toluene	50.85	1.0	50.00		102	74.3	124				
Xylenes, Total	141.3	1.0	150.0		94.2	74.6	128				
Surr: 4-Bromofluorobenzene	48.34	0	50.00		96.7	70	126				
Surr: Dibromofluoromethane	47.04	0	50.00		94.1	77	121				
Surr: Toluene-d8	49.98	0	50.00		100.0	78.6	119				

Sample ID: **2311L69-001AMS** Client ID: Units: **ug/L** Prep Date: **11/21/2023** Run No: **531865**
SampleType: **MS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367074** Analysis Date: **11/22/2023** Seq No: **12634827**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	56.33	1.0	50.00		113	70.5	133				
3,3-Dimethyl-1-butanol	511.4	100	500.0		102	54.5	132				
Benzene	57.97	1.0	50.00		116	71.3	133				
Ethanol	497.8	100	500.0		99.6	55.3	137				
Ethyl tert-butyl ether	109.8	10	100.0		110	76	129				
Ethylbenzene	57.26	1.0	50.00		115	74.6	131				
Isopropyl ether	112.1	10	100.0		112	72.6	133				
Methyl tert-butyl ether	56.35	1.0	50.00		113	70.2	130				
Naphthalene	51.20	5.0	50.00		102	63	134				
tert-Amyl alcohol	521.2	100	500.0		104	57.4	136				

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 367074

Sample ID: **2311L69-001AMS** Client ID: Units: **ug/L** Prep Date: **11/21/2023** Run No: **531865**
SampleType: **MS** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367074** Analysis Date: **11/22/2023** Seq No: **12634827**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
tert-Amyl methyl ether	110.2	10	100.0		110	75.7	128				
tert-Butyl Alcohol	877.6	100	500.0		176	65.6	138				S
tert-Butyl formate	BRL	100	500.0		0	52.2	126				S
Toluene	59.51	1.0	50.00		119	72	134				
Xylenes, Total	168.9	1.0	150.0		113	73.8	131				
Surr: 4-Bromofluorobenzene	48.08	0	50.00		96.2	70	126				
Surr: Dibromofluoromethane	46.83	0	50.00		93.7	77	121				
Surr: Toluene-d8	49.76	0	50.00		99.5	78.6	119				

Sample ID: **2311J94-041ADUP** Client ID: **MW-27I** Units: **ug/L** Prep Date: **11/21/2023** Run No: **531865**
SampleType: **DUP** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367074** Analysis Date: **11/22/2023** Seq No: **12634825**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,2-Dichloroethane	BRL	1.0						0	0	30	
3,3-Dimethyl-1-butanol	BRL	100						0	0	30	
Benzene	BRL	1.0						0	0	30	
Ethanol	BRL	100						0	0	30	
Ethyl tert-butyl ether	BRL	10						0	0	30	
Ethylbenzene	BRL	1.0						0	0	30	
Isopropyl ether	BRL	10						0	0	30	
Methyl tert-butyl ether	BRL	1.0						0	0	30	
Naphthalene	BRL	5.0						0	0	30	
tert-Amyl alcohol	BRL	100						0	0	30	
tert-Amyl methyl ether	BRL	10						0	0	30	
tert-Butyl Alcohol	BRL	100						0	0	30	
tert-Butyl formate	BRL	100						0	0	30	
Toluene	BRL	1.0						0	0	30	
Xylenes, Total	BRL	1.0						0	0	30	

Qualifiers:
> Greater than Result value
< Less than Result value
B Analyte detected in the associated method blank
BRL Below reporting limit
E Estimated (value above quantitation range)
H Holding times for preparation or analysis exceeded
J Estimated value detected below Reporting Limit
N Analyte not NELAC certified
R RPD outside limits due to matrix
Rpt Lim Reporting Limit
S Spike Recovery outside limits due to matrix

Client: Petra-Tech Environmental, LLC
Project Name: Westside Quick Step
Workorder: 2311J94

ANALYTICAL QC SUMMARY REPORT

BatchID: 367074

Sample ID: **2311J94-041ADUP** Client ID: **MW-27I** Units: **ug/L** Prep Date: **11/21/2023** Run No: **531865**
SampleType: **DUP** TestCode: **Volatile Organic Compounds SW8260D** BatchID: **367074** Analysis Date: **11/22/2023** Seq No: **12634825**

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Surr: 4-Bromofluorobenzene	46.55	0				70	126	46.02	0	30	
Surr: Dibromofluoromethane	47.04	0				77	121	46.82	0	30	
Surr: Toluene-d8	49.51	0				78.6	119	49.77	0	30	

Qualifiers:

>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

End of Report

APPENDIX M

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the No box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	✓		
2	Is UST Owner/Operator name, address, & phone number provided?	✓		
3	Is name, address, & phone number of current property owner provided?	✓		
4	Is the DHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	✓		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			✓
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	✓		
7	Has the facility history been summarized?	✓		
8	Has the regional geology and hydrogeology been described?			✓
9	Are the receptor survey results provided as required?			✓
10	Has current use of the site and adjacent land been described?			✓
11	Has the site-specific geology and hydrogeology been described?			✓
12	Has the primary soil type been described?			✓
13	Have field screening results been described?			✓
14	Has a description of the soil sample collection and preservation been detailed?			✓
15	Has the field screening methodology and procedure been detailed?			✓
16	Has the monitoring well installation and development dates been provided?			✓
17	Has the method of well development been detailed?			✓
18	Has justification been provided for the locations of the monitoring wells?			✓
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	✓		
20	Has the groundwater sampling methodology been detailed?	✓		
21	Have the groundwater sampling dates and groundwater measurements been provided?	✓		
22	Has the purging methodology been detailed?	✓		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	✓		
24	If free-product is present, has the thickness been provided?	✓		
25	Does the report include a brief discussion of the assessment done and the results?	✓		
26	Does the report include a brief discussion of the aquifer evaluation and results?			✓
27	Does the report include a brief discussion of the fate & transport models used?			✓

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			✓
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			✓
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			✓
31	Have recommendations for further action been provided and explained?	✓		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			✓
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	✓		
34	Has the current and historical laboratory data been provided in tabular format?	✓		
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			✓
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			✓
37	Has the topographic map been provided with all required elements? (Figure 1)	✓		
38	Has the site base map been provided with all required elements? (Figure 2)	✓		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			✓
40	Has the site potentiometric map been provided? (Figure 5)			✓
41	Have the geologic cross-sections been provided? (Figure 6)			✓
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			✓
43	Has the site survey been provided and include all necessary elements? (Appendix A)			✓
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	✓		
45	Is the laboratory performing the analyses properly certified?	✓		
46	Has the tax map been included with all necessary elements? (Appendix C)			✓
47	Have the soil boring/field screening logs been provided? (Appendix D)			✓
48	Have the well completion logs, DHEC Form 2099, and DHEC Form 1903 been provided? (Appendix E)			✓
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			✓
50	Have the disposal manifests been provided? (Appendix G)	✓		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			✓
52	Has all fate and transport modeling been provided? (Appendix I)			✓
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			✓
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	✓		

Explanation for missing and incomplete information?

Project Verifier (signature) Mary K. Jones

(print name) Mary K. Jones

Date 12/05/2023

RECEIVED
JAN 12 2024
UST DIVISION

dhec
S.C. Department of Health and Environmental Control

Underground Storage Tank Management Division
Tank Owner Information Form

Facility Name: WESTSIDE QUICK STOP	Permit ID: 12430	Release Date(s): 6-7-12
Facility Address: 821 W. Parker Rd,		
City: Greenville	South Carolina	Zip Code: 29611
Tank Owner Name: Shree Gajvakra LLC		
Mailing Address: 205 FAIRWAY DR,		
City: LAURENS	State: SC	Zip Code: 29360
Name of Tank Owner (or Authorized Agent if Owner is a Business Entity) (print): ANKUR PATEL		
Signature:		Date: 1/2/2024

If you are a sole proprietor as the tank owner and choose to not to have any agents, please initial _____, identifying you are the only person authorized to sign invoices and/or select a certified site rehabilitation contractor for the referenced release(s).

I certify that the agents identified below are **authorized to select a certified site rehabilitation contractor and/or sign invoices** on behalf of the tank owner for compensation from SUPERB Account for site rehabilitation activities conducted under the UST release(s) referenced above; print name, affiliation with tank owner, and signature (non-black ink). _____ (tank owner initial)

	Authorized to sign invoices on behalf of the tank owner	Authorized to select a certified site rehabilitation contractor
Name: MARTIN HUNT (ENVIRONMENTAL LAB) Affiliation: Signature: Date:	Yes☐ No ☐	Yes☐ No ☐
Name: Affiliation: Signature: Date:	Yes☐ No ☐	Yes☐ No ☐
Name: Affiliation: Signature: Date:	Yes☐ No ☐	Yes☐ No ☐
Name: Affiliation: Signature: Date:	Yes☐ No ☐	Yes☐ No ☐

Healthy People. Healthy Communities.

FEB 02 2024

UST 72 DOCKETING

SHREE GAJVAKRA LLC
205 FAIRWAY DR
LAURENS SC 29360

Re: Owner/Operator Contractor Selection for Site Rehabilitation
Westside Quick Stop, 821 W Parker Rd, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Monitoring Report received December 12, 2023
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Health and Environmental Control (DHEC) has determined based on the above referenced report, and in accordance with Section 280.65 of the South Carolina Underground Storage Tank Control Regulations, that site rehabilitation activities are required as the levels of petroleum Chemicals of Concern (CoCs) are above Risk Based Screening Levels (RBSLs). During the course of site rehabilitation, further remediation and monitoring will be required. All site rehabilitation activities must be performed and submitted by a South Carolina Certified UST Site Rehabilitation Contractor.

As the current Owner/Operator (O/O) and Responsible Party (RP), the UST Division requests documentation of your contractor selection. Below is a brief reminder of your requirements:

- You will be required to submit the attached Owner/Operator Contractor Selection Form selecting the SC Certified UST Site Rehabilitation Contractor you intend on using. The list of contractors can be found at https://scdhec.gov/environment/land-management/underground-storage-tanks/vendors-recyclers-contractors/current.
- You will be directed to conduct site rehabilitation activities, as necessary, by the UST Division. You will be required to coordinate these activities with your selected contractor and ensure all reports and plans are submitted on time.
- You will be responsible for approving invoices that will be submitted to the UST Division so that costs can be tracked, or payment can be made to the contractor.

Please complete the Owner/Operator Contractor Selection Form and return it to my attention within fifteen (15) days of the date of this letter.

On all correspondence, please reference to the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0631, by email at Looperam@dhec.sc.gov, or by fax at (803) 898-0673.

Sincerely,

Adam Looper, P.G., Hydrogeologist
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Owner/Operator Contractor Selection Form
List of UST Certified Contractors

cc: Technical File (w/ enc)

Owner/Operator Contractor Selection Form
Underground Storage Tank (UST) Management Division

1. CONTRACTOR OF CHOICE

As the current or former UST Owner/Operator and the designated party responsible for the confirmed release reported on the date and permit number provided.	Release Report Date: 6/7/2012-(Rel. #1) 10/23/2012-(Rel. #2)	Permit Number: 12430

I would like to use the contractor listed below to conduct all site rehabilitation work for the referenced release reported above:

Name of Contractor:		
Address:		
City:	State:	Zip:
Telephone Number:	Certification Number:	

NOTE: Site rehabilitation activities must be performed by a S.C. Certified Site Rehabilitation Contractor per Section 44-2-120(A) of the SUPERB Act and Section IV(A) of the S.C. DHEC SUPERB Site Rehabilitation and Fund Access Regulation R.61-98.

2. FINANCIAL OR FAMILIAL RELATIONSHIP

Does a financial or familial relationship, as defined below, exist between you and the contractor/person that you listed above?	☐ Yes ☐ No	O/O Initial:

FINANCIAL RELATIONSHIP: A connection or association through a material interest of sources of income which exceed five percent of annual gross income from a business entity.

FAMILIAL RELATIONSHIP: A connection or association by family or relatives, in which a family member or relative has a material interest. Family or relatives include: father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, grandchild, great-grandchild, step-grandparent, step-great-grandparent, step-grandchild, step-great-grandchild or fiancée.

3. PAYMENT

A. The first $25,000.00 in eligible site rehabilitation costs for releases reported subsequent to July 1, 1993 will be applied against the applicable SUPERB deductible per Section 44-2-40(D) of the SUPERB Act, upon submittal of the canceled check (front and back) or a notarized statement from the contractor verifying payment.

B. For eligible costs exceeding the $25,000.00 deductible, you can pay the contractor and, upon the submittal of the canceled check (front and back) or a notarized statement from the contractor verifying payment, be compensated from the SUPERB Account, or have payment issued directly from the SUPERB Account to the contractor. (Check one.)

☐ For eligible costs exceeding the deductible, I request that payment be made to me after I have paid the contractor.	O/O Initial:

– OR –

☐ For eligible costs exceeding the deductible, I request that payment be made directly to the contractor.	O/O Initial:

C. If the release qualifies under amnesty (reported prior to July 1, 1993) per Section 44-2-40(B) of the SUPERB Act, you can pay the contractor and be compensated from the SUPERB Account, or have payment issued directly from the SUPERB Account to the contractor. (Check one.)

☐ For eligible costs, I request that payment be made to me after I have paid the contractor.	O/O Initial:

– OR –

☐ For eligible costs, I request that payment be made directly to the contractor.	O/O Initial:

NOTE: As required by the SUPERB Act, all costs must receive prior financial approval from DHEC regardless of payment option.

4. UST OWNER/OPERATOR OR PARTY RESPONSIBLE FOR ABOVE REFERENCED RELEASE

Signature:	Date Signed:
Printed Name:	Telephone Number: ( )
Affiliation (if applicable):	Email Address:

dhec
Healthy People. Healthy Communities.

APR 19 2024

UST 73T DOCKETING

CERTIFIED MAIL
9214 8969 0099 9790 1546 2812 64

SHREE GAJVAKRA LLC
205 FAIRWAY DR
LAURENS SC 29360

Re: Owner/Operator Contractor Selection for Site Rehabilitation
Westside Quick Stop, 821 W Parker Rd, Greenville, SC
UST Permit #12430
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- You will be required to submit the attached Owner/Operator Contractor Selection Form selecting the SC Certified UST Site Rehabilitation Contractor you intend on using. The list of contractors can be found at https://scdhec.gov/environment/land-management/underground-storage-tanks/vendors-recyclers-contractors/current.
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Sincerely,

Adam Looper, P.G., Hydrogeologist
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Owner/Operator Contractor Selection Form
List of UST Certified Contractors

cc: Technical File (w/ enc)

Owner/Operator Contractor Selection Form
Underground Storage Tank (UST) Management Division

1. CONTRACTOR OF CHOICE

As the current or former UST Owner/Operator and the designated party responsible for the confirmed release reported on the date and permit number provided.	Release Report Date: 6/7/2012 & 10/23/2012	Permit Number: 12430

I would like to use the contractor listed below to conduct all site rehabilitation work for the referenced release reported above:

Name of Contractor:		
Address:		
City:	State:	Zip:
Telephone Number:	Certification Number:	

NOTE: Site rehabilitation activities must be performed by a S.C. Certified Site Rehabilitation Contractor per Section 44-2-120(A) of the SUPERB Act and Section IV(A) of the S.C. DHEC SUPERB Site Rehabilitation and Fund Access Regulation R.61-98.

2. FINANCIAL OR FAMILIAL RELATIONSHIP

Does a financial or familial relationship, as defined below, exist between you and the contractor/person that you listed above?	☐ Yes ☐ No	O/O Initial:

FINANCIAL RELATIONSHIP: A connection or association through a material interest of sources of income which exceed five percent of annual gross income from a business entity.

FAMILIAL RELATIONSHIP: A connection or association by family or relatives, in which a family member or relative has a material interest. Family or relatives include: father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, grandchild, great-grandchild, step-grandparent, step-great-grandparent, step-grandchild, step-great-grandchild or fiancée.

3. PAYMENT

A. The first $25,000.00 in eligible site rehabilitation costs for releases reported subsequent to July 1, 1993 will be applied against the applicable SUPERB deductible per Section 44-2-40(D) of the SUPERB Act, upon submittal of the canceled check (front and back) or a notarized statement from the contractor verifying payment.

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– OR –

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– OR –

☐ For eligible costs, I request that payment be made directly to the contractor.	O/O Initial:

NOTE: As required by the SUPERB Act, all costs must receive prior financial approval from DHEC regardless of payment option.

4. UST OWNER/OPERATOR OR PARTY RESPONSIBLE FOR ABOVE REFERENCED RELEASE

Signature:	Date Signed:
Printed Name:	Telephone Number: ( )
Affiliation (if applicable):	Email Address:

SCDHEC UST Management Tracking

Contractor Certification Permit Details (Short Version)

ermit No	Company	Address	City	ST	Zip	Phone No.	Cls
CC-0025	TETRA TECH AIKEN	117 HEARTHSTONE DR	AIKEN	SC	29803	803-649-7963	I
CC-0124	SAVANNAH RIVER NUCLEAR SOLUTI(	SAVANNAH RIVER SITE	AIKEN	SC	29808	803-208-1158	I
CC-0397	GROUNDWATER MGT ASSO INC-APE:	2205 A CANDUM DR	APEX	NC	27502	919-363-6310	I
CC-0479	LOUREIRO ENGINEERING ASSOCIATE	2025 ENERGY DR	APEX	NC	27502	984-229-7548	I
CC-0342	KEMRON ENVIRONMENTAL SERVICE:	1359 ELLSWORTH INDUSTRIAL BL	ATLANTA	GA	30318-4149	404-636-0928	I
CC-0023	TETRA TECH STONE MOUNTAIN	1899 POWERS FERRY RD STE 40(	ATLANTA	GA	30339	770-413-0965	I
CC-0363	BROWN REMEDIATION INC	227 SANDY SPRINGS PL STE D 12	ATLANTA	GA	30328-5918	404-256-0667	II
CC-0458	AECOM TECHNICAL SERVICES INC - /	1360 PEACHTREE ST NE STE 500	ATLANTA	GA	30309	404-965-7070	II
CC-0485	ARCADIS US INC	2839 PACES FERRY RD STE 900	ATLANTA	GA	30339	770-431-8666	I
CC-0101	ARCADIS US INC	1450 GREENE ST STE 220	AUGUSTA	GA	30901	864-987-3924	I
CC-0439	BHATE ENVIRONMENTAL ASSOCIATE	1608 13TH AVE S STE 300	BIRMINGHAM	AL	35205	205-918-4000	I
CC-0461	QUALITY ENVIRONMENTAL SOLUTION	PO BOX 44	BRIDGEWATER	VT	05034	410-841-5552	I
CC-0443	ELITE TECHNIQUES INC	1817 BISHOPVILLE HWY	CAMDEN	SC	29020-8825	803-425-7324	II
CC-0367	CONSULTECH ENVIRONMENTAL LLC	PO BOX 5306	CARY	NC	27512-5306	919-858-5350	I
CC-0163	REDOX TECH LLC	200 QUADE DR	CARY	NC	27513	803-643-0907	I
CC-0035	AECOM	4000 FABER PL DR	CHARLESTON	SC	29405	843-767-4602	I
CC-0460	ENVIROSMART INC	1629 MEETING STREET RD	CHARLESTON	SC	29405	843-722-0062	II
CC-0477	SERES ENGINEERING & SERVICES LI	669 MARINA DR STE B7	CHARLESTON	SC	29492	843-216-8531	II
CC-0048	THE GEL GROUP INC	PO BOX 30712	CHARLESTON	SC	29417	843-324-8023	I
CC-0112	HART & HICKMAN PC	2923 S TRYON ST STE 100	CHARLOTTE	NC	28203	704-586-0007	I
CC-0060	S&ME INC CHARLOTTE	2016 AYRSLEY TOWN BLVD	CHARLOTTE	NC	28273	704-523-4726	I
CC-0056	PARSONS ENVIRONMENT & INFRAST	1422 S TRYON ST STE 700	CHARLOTTE	NC	28203	704-737-6625	I
CC-0071	FROEHLING & ROBERTSON INC	3300 INTERNATIONAL AIRPORT DF	CHARLOTTE	NC	28208	704-596-2889	I
CC-0358	ATLAS TECHNICAL	7606 WHITEHALL EXECUTIVE CTR	CHARLOTTE	NC	28273	800-627-0493	I
CC-0484	CDG INC	4301 TAGGART CREEK RD	CHARLOTTE	NC	28208-5483	704-394-6913	I
CC-0105	WSP USA ENVIRONMENT & INFRASTI	2801 YORKMOUNT RT	CHARLOTTE	NC	28208	864-458-3600	I
CC-0106	WSP USA ENVIRONMENT & INFRASTI	2801 YORKMOUNT RT	CHARLOTTE	NC	28208	864-458-3600	I
CC-0127	WSP USA ENVIRONMENT & INFRASTI	2801 YORKMOUNT RT	CHARLOTTE	NC	28208	864-458-3600	II
CC-0182	WSP USA ENVIRONMENT & INFRASTI	2801 YORKMOUNT RT	CHARLOTTE	NC	28208	864-458-3600	II
CC-0265	WSP USA ENVIRONMENT & INFRASTI	2801 YORKMOUNT RT	CHARLOTTE	NC	28208	864-458-3600	II
CC-0289	ANTEA GROUP	8008 CORPORATE CENTER DR ST	CHARLOTTE	NC	28226	800-477-7411	I
CC-0376	ECS SOUTHEAST LLP	1812 CENTER PARK DR STE D	CHARLOTTE	NC	28214	704-525-5152	I
CC-0430	APEX COMPANIES LLC	5900 NORTHWOODS BUS PKWY S	CHARLOTTE	NC	28269	704-307-1233	I
CC-0448	PARTNER ENGINEERING & SCIENCE I	1515 MOCKINGBIRD LN STE 840	CHARLOTTE	NC	28209	469-400-4251	I
CC-0122	AECOM TECHNICAL SERVICES INC	6000 FAIRVIEW RD STE 200	CHARLOTTE	NC	28210	704-522-0330	I
CC-0304	ATLAS TECHNICAL	7606 WHITEHALL EXECUTIVE CTR	CHARLOTTE	NC	28273	704-529-3200	I
CC-0159	US GEOLOGICAL SURVEY	720 GRACERN RD STE 129	COLUMBIA	SC	29210	803-750-6100	I
CC-0140	F&ME CONSULTANTS COLUMBIA	211 BUSINESS PARK BLVD	COLUMBIA	SC	29203	803-254-4540	I
CC-0058	S&ME INC COLUMBIA	134 SUBER RD	COLUMBIA	SC	29210	803-561-9024	I
CC-0004	ARM ENVIRONMENTAL SERVICES INC	1210 1ST ST S EXT	COLUMBIA	SC	29209	803-783-3314	I
CC-0246	TERRACON CONSULTANTS INC	521 CLEMSON RD	COLUMBIA	SC	29229-4307	803-741-9000	I
CC-0116	SC DHEC UST PROGRAM	2600 BULL ST	COLUMBIA	SC	29201-1708	803-898-2544	I
CC-0313	ATLAS TECHNICAL	6904 N MAIN ST STE 107	COLUMBIA	SC	29203	803-735-0003	I
CC-0408	MID-CAROLINA PROBE LLC	422 WAGNER TRAIL	COLUMBIA	SC	29229	803-497-6563	I
CC-0440	RED OAK ENVIRONMENTAL SOLUTIOI	PO BOX 374	COLUMBIA	SC	29202	803-587-2721	I
CC-0288	MILL CREEK ENVIRONMENTAL SERVI	1818 PERIMEMTER RD	DAWSONVILLE	GA	30534	706-579-1607	I
CC-0089	CATLIN ENGINEERS & SCIENTISTS	160 CLAIREMONT AVE STE 200	DECATUR	GA	30030-2546	770-466-5525	II
CC-0195	SMITH MONITORING & MAINTENANCE	145 MERRILL AVE	DECATUR	GA	30030	404-229-3096	II
CC-0186	PETROLEUM ENV CONSULTANTS	4125 FINCLAIR ST	DENVER	NC	28037	704-335-8801	I
CC-0368	SWIFT CREEK ENVIRONMENTAL	8201 COUNTY DR	DISPUTANTA	VA	23842	804-991-3213	I
CC-0044	ATLAS TECHNICAL	2450 COMMERCE AVE NW #100	DULUTH	GA	30096	770-427-9456	II
CC-0018	KATAWBA ENVIRONMENTAL INC	4278 DYE RD	EDGEMOOR	SC	29712	803-417-4568	I
CC-0271	PHA ENVIRONMENTAL RESTORATION	114 NORRIS ST	EUTAWVILLE	SC	29048	803-261-1301	I
CC-0475	ENVIRONMENTAL RESTORATION LLC	1666 FABICK DR	FENTON	MC	63026	636-227-7477	II
CC-0332	PGP SERVICES	1949 CANDLEWICK DR	FORT MILL	SC	29715	803-802-3108	I
CC-0020	SAEDACCO INC	9088 NORTHFIELD DR	FORT MILL	SC	29707-6539	803-548-2180	II
CC-0118	EXCEL ENVIRONMENTAL ASSOCIATE	625 HUNTSMAN CT	GASTONIA	NC	28054-6060	704-853-0800	I

SCDHEC UST Management Tracking

Contractor Certification Permit Details (Short Version)

ermit No	Company	Address	City	ST	Zip	Phone No.	Cls
CC-0362	JOINT BASE CHARLESTON WEAPONS	628 CES/CEAN	GOOSE CREEK	SC	29445	843-764-7658	I
CC-0345	KLM ENVIRONMENTAL LLC	PO BOX 2704	GOOSE CREEK	SC	29445	843-870-4285	I
CC-0389	ADVANCED ENVIRONMENTAL SERVIC	PO BOX 38218	GREENSBORO	NC	27438	336-337-4331	II
CC-0003	ROGERS & CALLCOTT ENGINEERS IN	426 FAIRFOREST WAY	GREENVILLE	SC	29607	864-232-1556	I
CC-0100	SYNTERRA CORPORATION	148 RIVER ST STE 220	GREENVILLE	SC	29601	864-909-1790	I
CC-0007	HRP ASSOCIATES INC	701 EASLEY BRIDGE RD STE 413(	GREENVILLE	SC	29611	800-752-3922	I
CC-0072	FROEHLING & ROBERTSON INC	18 WOODS LAKE RD	GREENVILLE	SC	29607	864-271-2840	I
CC-0331	ENVIRONMENTAL INVESTIGATIONS	535 N PLEASANTBURG DR STE 1(	GREENVILLE	SC	29607	864-239-6767	II
CC-0010	BUNNELL-LAMMONS ENGINEERING I	6004 PONDERS CT	GREENVILLE	SC	29615	864-288-1265	I
CC-0339	TERRACON CONSULTANTS INC	72 POINTE CIR	GREENVILLE	SC	29615	864-292-2901	I
CC-0257	ENVIROSOUTH INC	3440 AUGUSTA RD	GREENVILLE	SC	29605	864-236-9010	I
CC-0398	GROUNDWATER MGT ASSO INC-GRE	4300 SAPPHIRE CT STE 100	GREENVILLE	NC	27834	242-758-3310	I
CC-0411	TRC ENVIRONMENTAL CORPORATION	50 INTERNATIONAL DR	GREENVILLE	SC	29615	864-275-1285	I
CC-0436	PETRA-TECH ENVIRONMENTAL	2435 E NORTH ST STE 1108-202	GREENVILLE	SC	29615	864-436-6322	I
CC-0457	AECOM TECHNICAL SERVICES INC	10 PATEWOOD DR STE 500	GREENVILLE	SC	29615-3549	864-234-3032	I
CC-0405	MID-CAROLINA PROBE LLC	258 TAPP RD	GREER	SC	29651	864-752-5025	I
CC-0390	ENVIROASSESSMENTS	PO BOX 519	HARRISBURG	NC	28075	980-722-3901	I
CC-0263	CAROLINA TECHNICAL SERVICES INC	PO BOX 115	IRMO	SC	29063	803-407-3336	I
CC-0478	TRIHYDRO CORPORATION	3740 ST JOHNS BLUFF RD	JACKSONVILLE	FL	32224	904-513-9748	I
CC-0445	CONTOUR ENVIRONMENTAL LLC	1690 STONE VILLAGE LN STE 321	KENNESAW	GA	30152	678-303-2600	I
CC-0456	AEI CONSULTANTS	4255 WADE GREEN RD STE 510	KENNESAW	GA	30144	770-367-1051	I
CC-0480	M & W DRILLING LLC	8321 OAK RIDGE HWY	KNOXVILLE	TN	37931	865-690-0128	II
CC-0415	PM ENVIRONMENTAL INC	3340 RANGER RD	LANSING	MI	48906	517-321-3331	I
CC-0444	GEORGIA OILMENS SERVICES INC	1775 SPECTRUM DR STE B	LAWRENCEVILLE	GA	30043	678-225-4558	I
CC-0017	FORCE & ASSOCIATES	PO BOX 1734	LEXINGTON	SC	29071	803-359-3200	I
CC-0008	KLEEN SITES GEOSERVICES INC	2047 INDUSTRIAL BLVD	LEXINGTON	SC	29072	803-996-0637	I
CC-0009	MIDLANDS ENVIRONMENTAL CONSUL	PO BOX 854	LEXINGTON	SC	29071	803-808-2043	I
CC-0428	ENVIRORISK CONSULTANTS INC	149 LEE BYRD RD	LOGANVILLE	GA	30052-2310	678-635-7360	I
CC-0371	RESOLVE ENVIRONMENTAL SERVICE	500 DEVONPORT DR	MATTHEWS	NC	28104	704-617-1730	I
CC-0449	POINT TO POINT ENVIRONMENTAL	1010 PENNSYLVANIA AVE	MC DONOUGH	GA	30253-9101	404-640-9674	I
CC-0179	ENSAFE INC	5724 SUMMER TREES DR	MEMPHIS	TN	38134	901-372-7962	I
CC-0462	PIONEER ENVIRONMENTAL GROUP L	2917 EAST STATE ST EXT	MERCERVILLE	NJ	08619	608-586-4447	II
CC-0081	SANTEE COOPER	1 RIVERWOOD DR	MONCKS CORNER	SC	29461-2998	843-761-8000	II
CC-0074	GEOLOGICAL RESOURCES INC	3502 HAYES RD	MONROE	NC	28110	704-845-4010	I
CC-0467	CIVIL & ENVIRONMENTAL CONSULTAI	700 CHERRINGTON PKWY	MOON TOWNSHIP	PA	15108	412-275-2971	I
CC-0111	KLEINFELDER SOUTHEAST INC	3500 GATEWAY CENTRE BLVD ST	MORRISVILLE	NC	27560	919-755-5011	I
CC-0059	S&ME INC	620 WANDO PARK BLVD	MOUNT PLEASANT	SC	29464-7936	843-884-0005	I
CC-0178	ENSAFE INC	313 WINGO WAY	MOUNT PLEASANT	SC	29464	843-884-0029	I
CC-0306	J N PEASE ENVIRONMENTAL GROUP	PO BOX 451	MOUNT PLEASANT	SC	29465	843-345-4765	II
CC-0473	D E TANK LLC	PO BOX 1096	MOUNT PLEASANT	SC	29464	843-296-3952	II
CC-0349	WPC A TERRACON COMPANY	1246 HOWARD AVE	MYRTLE BEACH	SC	29577-1658	843-286-2500	I
CC-0469	HYNES LAND & ENVIRONMENTAL SEI	2411 N OAK ST STE 305	MYRTLE BEACH	SC	29577	843-458-1272	II
CC-0347	SCS ENGINEERS (STEARNS CONRAD	1400 PIERSIDE ST	N CHARLESTON	SC	29405-2044	843-746-8525	I
CC-0022	WPC A TERRACON COMPANY	1800 REYNOLDS AVE	NORTH CHARLESTON	SC	29405	843-277-8398	II
CC-0169	COASTAL ENGINEERING & TESTING (	1279 REMOUNT RD	NORTH CHARLESTON	SC	29406	843-566-1264	I
CC-0370	SUMMIT ENGINEERING LABORATORY	3820 FABER PL DR STE 700	NORTH CHARLESTON	SC	29405	704-965-9235	I
CC-0024	TETRA TECH OAKRIDGE	800 OAK RIDGE TPKE STE A-600	OAK RIDGE	TN	37830-6996	865-483-9900	II
CC-0446	FPM-REMEDIATIONS INC	181 KENWOOD AVE	ONEIDA	NY	13421	315-336-7721	I
CC-0326	ARM ENVIRONMENTAL SERVICES CH	11164 DOWNS RD	PINEVILLE	NC	28134	704-369-0621	II
CC-0403	TETRA TECH PITTSBURGH PA	661 ANDERSON DR	PITTSBURGH	PA	15220	412-921-7134	I
CC-0079	DAVIS & BROWN	PO BOX 15038	QUINBY	SC	29506-0038	843-319-2476	I
CC-0078	MID ATLANTIC ASSOCIATES PA	409 ROGERS VIEW CT	RALEIGH	NC	27610	919-250-9918	I
CC-0352	MINERAL SPRINGS ENVIRONMENTAL	4600 MINERAL SPRINGS LN	RALEIGH	NC	27616	919-261-8186	I
CC-0423	HIGHLANDS ENVIRONMENTAL SOLUT	8410-D FALLS OF NEUSE RD	RALEIGH	NC	27615	919-848-3155	I
CC-0386	AECOM TECHNICAL SERVICES INC	5438 WADE PARK BLVD STE 200	RALEIGH	NC	27607	919-461-1290	I
CC-0038	ATLAS TECHNICAL	2725 E MILLBROOK RD STE 121	RALEIGH	NC	27604	919-871-0999	I
CC-0099	ENVIRONMENTAL HYDROGELOGICAL	PO BOX 902	RED SPRINGS	NC	28377	910-843-4456	I

SCDHEC UST Management Tracking

Contractor Certification Permit Details (Short Version)

ermit No	Company	Address	City	ST	Zip	Phone No.	Cls
CC-0277	LEAF ENVIRONMENTAL & ENGINEERI	PO BOX 14609	RESEARCH TRIANGLE	NC	27709	919-484-8536	I
CC-0407	HYDROGEOLOGIC INC	11107 SUNSET HILLS RD STE 400	RESTON	VA	20190	703-478-5186	II
CC-0261	GROUNDWATER & ENVIRONMENTAL	3701 SAUNDERS AVE	RICHMOND	VA	23227	804-343-0700	I
CC-0360	ANTEA GROUP	7818 SHRADER RD	RICHMOND	VA	23294	804-740-4200	I
CC-0388	CRAWFORD ENVIRONMENTAL SERVI	1701 SHENANDOAH AVE NW	ROANOKE	VA	24017-5550	540-798-4205	I
CC-0334	ENVIROTRAC LTD	13109 OVERLOOK PASS	ROSWELL	GA	30075	770-777-1711	I
CC-0482	BAY WEST LLC	5 EMPIRE DR	SAINT PAUL	MN	55103	651-724-9712	I
CC-0275	TERRACON CONSULTANTS INC	2201 ROWLAND AVE	SAVANNAH	GA	31404	912-629-4000	I
CC-0206	US ARMY CORPS OF ENGINEERS SA	100 W OGLETHORPE AVE	SAVANNAH	GA	31401-3604	912-652-5669	I
CC-0095	BLUE RIDGE ENVIRONMENTAL SERVI	2315 KINGS RD EXT	SHELBY	NC	28152-6233	704-482-2111	I
CC-0120	SPERO CORPORATION	119 SE MAIN ST	SIMPSONVILLE	SC	29681	864-963-5500	I
CC-0090	EXCALIBUR ENVIRONMENTAL	PO BOX 1751	SIMPSONVILLE	SC	29681	864-967-9744	I
CC-0094	PPM CONSULTANTS INC	30704 SERGEANT E I BOOTS THO	SPANISH FORT	AL	36527	251-990-9000	I
CC-0057	S&ME INC SPARTANBURG	301 ZIMA PARK RD	SPARTANBURG	SC	29301-4319	864-574-2360	I
CC-0223	TERRY ENVIRONMENTAL SERVICES I	PO BOX 25	SUMMERVILLE	SC	29484	843-873-8200	I
CC-0067	EMERALD INC	PO BOX 3050	SUMTER	SC	29151	803-469-5454	I
CC-0438	T K TANK SERVICES INC	PO BOX 1384	SUMTER	SC	29151-1384	803-418-5314	II
CC-0126	ARCADIS US INC	110 W FAYETTE ST STE 300	SYRACUSE	NY	13202	315-671-9132	II
CC-0201	TETRA TECH TALLAHASSEE	1558 VILLAGE SQUARE BLVD STE	TALLAHASSEE	FL	32309	850-385-9899	II
CC-0085	GANNETT FLEMING INC	3820 NORTHDALE BLVD STE 210-E	TAMPA	FL	33624	813-371-0419	I
CC-0483	APPLIED SCIENCE AND ENGINEERIN(	550 N REO ST	TAMPA	FL	33609	727-593-4843	I
CC-0420	ENVIRONMENTAL LABORATORIES IN(	PO BOX 1729	TRAVELERS REST	SC	29690	864-370-0637	II
CC-0248	CRB GEOLOGICAL & ENVIRONMENTA	310 N MAIN ST	TRAVELERS REST	SC	29690	305-447-9777	I
CC-0441	BLUE RIDGE GEOLOGICAL SERVICES	7356 BELMONT DR	TRINITY	NC	27370	336-313-6131	I
CC-0472	PEAK HYDROGEOLOGIC PLLC	470 HOGBACK MOUNTAIN RD	TRYON	NC	28782	828-817-5209	I
CC-0063	CYPRESS BAY GEOLOGICAL SERVIC	262 GEOLOGY LN	WALTERBORO	SC	29488	843-217-4037	I
CC-0301	SCHNABEL ENGINEERING LLC	104 CORPORATE BLVD STE 420	WEST COLUMBIA	SC	29169	803-796-6240	I
CC-0330	GROUNDWATER & ENVIRONMENTAL	104 CORPORATE BLVD STE 411	WEST COLUMBIA	SC	29169-4600	803-749-4080	I
CC-0030	CLARK ENVIRONMENTAL	PO BOX 10136	WILMINGTON	NC	28404	910-602-3900	I
CC-0088	CATLIN ENGINEERS & SCIENTISTS	PO BOX 10279	WILMINGTON	NC	28404	910-452-5861	I
CC-0404	HENRY NEMARGUT ENGINEERING S\	2211 CHESTNUST ST	WILMINGTON	NC	28405	910-762-5475	I
CC-0426	SR&R ENVIRONMENTAL INC	PO BOX 221	WILMINGTON	NC	28402	910-763-6274	II
CC-0307	WSP USA ENVIRONMENT & INFRASTI	5710 OLEANDER DR STE 110	WILMINGTON	NC	28403	704-357-5530	I
CC-0294	SIERRA PIEDMONT ENGINEERS	105 WESTERSTONE DR	WOODSTOCK	GA	30188	770-792-6200	I
CC-0315	ATLAS TECHNICAL	9874 MAIN ST STE 100	WOODSTOCK	GA	30188	770-926-8883	I

otal No. of Permits **149**

ENVIROSOUTH
Environmental Consultants

RECEIVED
APR 30 2024
UST DIVISION
UST 74T DOCKETING

April 24, 2024

SCDHEC
Corrective Action Section
UST Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Attention: Mr. Adam Looper, P.G.

Re: Owner/Operator Contractor Selection Form
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
UST Permit #12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

EnviroSouth, Inc., on behalf of Shree Gajvakra, LLC, EnviroSouth is pleased to provide you with the attached Owner/Operator Contractor Selection Form for the above-referenced site.

If you have any questions, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor Certification No. 257

Thomas F. Donn/bd

Thomas F. Donn, P.G.
Principal Hydrogeologist
S.C. Registration No. 908

attachments

cc: Mr. Ankur Patel, Shree Gajvakra, LLC

Adam Looper

RECEIVED
APR 30 2024
UST DIVISION

Owner/Operator Contractor Selection Form
Underground Storage Tank (UST) Management Division

1. CONTRACTOR OF CHOICE

As the current or former UST Owner/Operator and the designated **party responsible for the confirmed release reported on the date** and permit number provided.	Release Report Date: 06/07/2012 and 10/23/20212	Permit Number: 12430

UST 7 74T OCKETING

I would like to use the contractor listed below to conduct all site rehabilitation work for the referenced release reported above:

Name of Contractor: EnviroSouth, Inc.		
Address: 3440 Augusta Road		
City: Greenville	State: South Carolina	Zip: 29657
Telephone Number: 864-236-9010	Certification Number: 257	

NOTE: Site rehabilitation activities must be performed by a S.C. Certified Site Rehabilitation Contractor per Section 44-2-120(A) of the SUPERB Act and Section IV(A) of the S.C. DHEC SUPERB Site Rehabilitation and Fund Access Regulation R.61-98.

2. FINANCIAL OR FAMILIAL RELATIONSHIP

Does a financial or familial relationship, as defined below, exist between you and the contractor/person that you listed above?	☐ Yes ☑ No	O/O Initial: AP

FINANCIAL RELATIONSHIP: A connection or association through a material interest of sources of income which exceed five percent of annual gross income from a business entity.

FAMILIAL RELATIONSHIP: A connection or association by family or relatives, in which a family member or relative has a material interest. Family or relatives include: father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, son-in-law, daughter-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, grandchild, great-grandchild, step-grandparent, step-great-grandparent, step-grandchild, step-great-grandchild or fiancée.

3. PAYMENT

A. **The first $25,000.00 in eligible site rehabilitation costs for releases reported subsequent to July 1, 1993 will be applied against the applicable SUPERB deductible per Section 44-2-40(D) of the SUPERB Act, upon submittal of the canceled check (front and back) or a** notarized statement from the contractor verifying payment.

B. **For eligible costs exceeding the $25,000.00 deductible, you can pay the contractor and, upon the submittal of the canceled check (front and back) or a notarized statement from the contractor verifying payment, be compensated from the SUPERB Account, or have** payment issued directly from the SUPERB Account to the contractor. (Check one.)

☐ **For eligible costs exceeding the deductible, I request that payment be made to me after I have** paid the contractor.	O/O Initial:
– OR –	
☐ **For eligible costs exceeding the deductible, I request that payment be made directly to the** contractor.	O/O Initial:

C. **If the release qualifies under amnesty (reported prior to July 1, 1993) per Section 44-2-40(B) of the SUPERB Act, you can pay the contractor and be compensated from the SUPERB Account, or have payment issued directly from the SUPERB Account to the** contractor. (Check one.)

☐ **For eligible costs, I request that payment be made to me after I have paid the contractor.**	O/O Initial:
– OR –	
☑ **For eligible costs, I request that payment be made directly to the contractor.**	O/O Initial: AP

NOTE: As required by the SUPERB Act, all costs must receive prior financial approval from DHEC regardless of payment option.

4. UST OWNER/OPERATOR OR PARTY RESPONSIBLE FOR ABOVE REFERENCED RELEASE

Signature:	Date Signed: 4/24/2024
Printed Name: Ankur Patel	Telephone Number: ( ) 864-354-1729
Affiliation (if applicable):	Email Address: avpatelin@yahoo.com

UST 75 Docket

Domenico Model

UST # 12430
Site Name: Westside Quick Stop
Modeler: Adam Looper
Date: 7/11/2024

Groundwater Flow Parameters

K	3000	ft/yr
dh/dx	0.0011	
θ	0.27	dec. %
v_x	12.22222222	ft/yr

Transport Parameters

x_{max}	82.5	ft
y_{max}	17	ft
z	0	ft
Source Width	56	ft
Source Thickness	30	ft
Plume Length	82.5	ft
α_x	6.139589	ft
α_y	0.613959	ft
α_z	1.00E-99	ft

Simulation Time

t_{sim}	31	yrs

Aquifer Characteristics

ρ_d	1.7	kg/L
f_{oc}	0.0002	

Source Area CoC Data

CoC	C_{source} (mg/L)	K_{oc} (L/kg)
Benzene		81
Toluene		133
Ethylbenzene		176
Xylenes		639
Naphthalene		1543
MtBE		11
EDB		28
1,2-DCA	0.044	17.5

Retarded Velocity (ft/yr)

CoC	R	v_R
Benzene	1.102	11.09
Toluene	1.167	10.47
Ethylbenzene	1.222	10.00
Xylenes	1.805	6.77
Naphthalene	2.943	4.15
MtBE	1.014	12.06
EDB	1.035	11.81
1,2-DCA	1.022	11.96

Simulation Points for Breakthrough Curves

x		ft
y		ft
z		ft

x	0	ft
y	0	ft
z	0	ft

1,2-DCA Calibration

Spatial Calibration Data (centerline)

x	C_{obs} (mg/L)	C_{sim} (mg/L)
0	0.044	0.044
8.25		0.034
16.5		0.026
24.75	0.023	0.020
33		0.015
41.25		0.012
49.5		0.009
57.75		0.007
66		0.005
74.25	0.016	0.004
82.5	0.01	0.003

Temporal Calibration Data

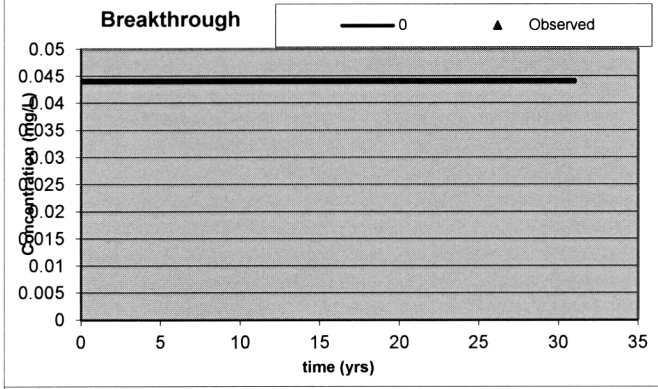
t (yrs)	C_{obs} (mg/L)	C_{sim} (mg/L)	C_{obs} (mg/L)	C_{sim} (mg/L)
	0		0	
0		0.044		0.044
3.1		0.044		0.044
6.2		0.044		0.044
9.3		0.044		0.044
12.4		0.044		0.044
15.5		0.044		0.044
18.6		0.044		0.044
21.7		0.044		0.044
24.8		0.044		0.044
27.9		0.044		0.044
31		0.044		0.044

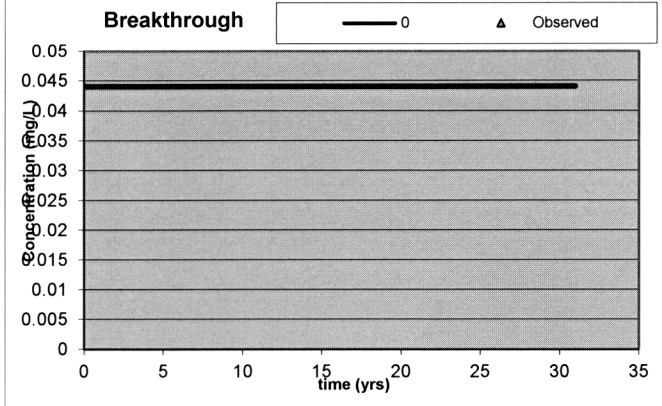
Site ID 12430

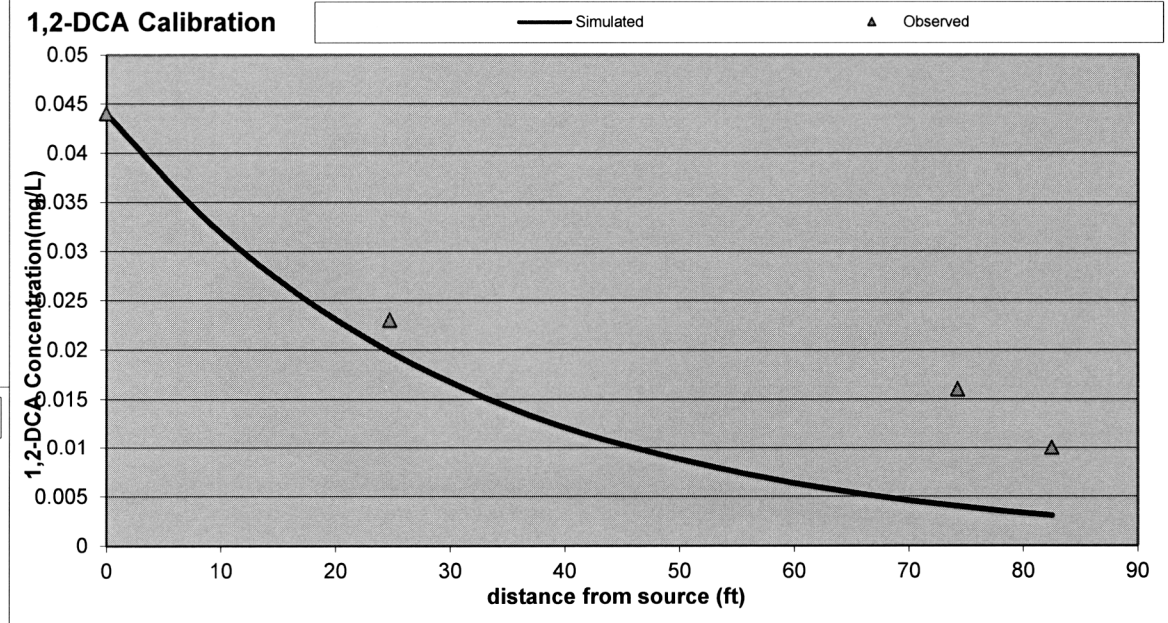
Site Name Westside Quick Stop

Model Calibration Parameters

$t_{1/2}$	1.5	yrs	λ	0.462	yr^{-1}
v_x	12.22222	ft/yr			
R	1.022				
v_R	11.959	ft/yr	C_{source}	0.044	mg/L
L_p	82.5	ft			
α_x	6.139589	ft	t_{sim}	31	yrs
α_y	0.613959	ft			
α_z	1E-99	ft			







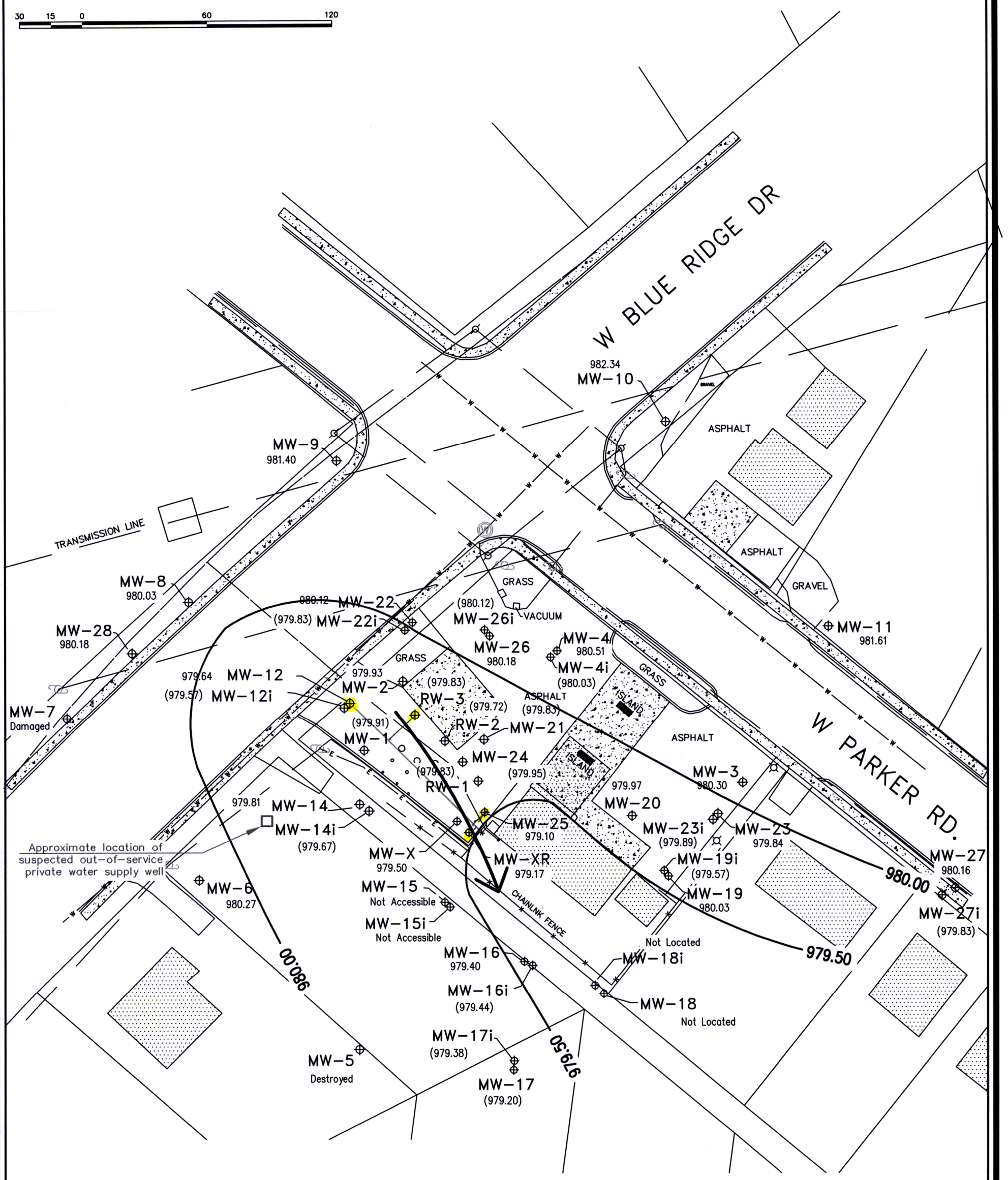
Source	8.25	16.5	24.75	33	41.25	49.5	57.75	66	74.25	82.5
17	0.03371248	0.02565662	0.01935163	0.01454288	0.01092338	0.0082109	0.006179	0.004657	0.003514	0.002654
8.5	0.03372172	0.02584423	0.01980323	0.01516371	0.01159849	0.0088613	0.006763	0.005158	0.003931	0.002995
0	0.03372172	0.02584442	0.01980723	0.01518016	0.01163327	0.0089136	0.006828	0.005228	0.004	0.00306
8.5	0.03372172	0.02584423	0.01980323	0.01516371	0.01159849	0.0088613	0.006763	0.005158	0.003931	0.002995
17	0.03371248	0.02565662	0.01935163	0.01454288	0.01092338	0.0082109	0.006179	0.004657	0.003514	0.002654

SSTLs t 1000 yrs

UST Permit # 12430
Site Name: Westside Quick Stop

SSTLs in mg/L			RBSLs (mg/L):								0.005
MW #	x (ft)	y (ft)	z (ft)								1,2-DCA SSTL
MW-1	900	0	0								>99999
MW-2	900	0	0								>99999
MW-4	900	0	0								>99999
MW-12	900	0	0								>99999
MW-14	900	0	0								>99999
MW-20	900	0	0								>99999
MW-21	900	0	0								>99999
MW-23	900	0	0								>99999
MW-24	900	0	0								>99999
MW-25	900	0	0								>99999
MW-26	900	0	0								>99999
MW-X	900	0	0								>99999
MW-XR	900	0	0								>99999
RW-1	900	0	0								>99999
RW-2	900	0	0								>99999
RW-3	900	0	0								>99999
			λ (yr^{-1}):								0.462
			R:								1.022
			Pure Substance Solubility:								8520
			Effective Solubility:								3.7

REFERENCE: Site Survey by Souther Land Surveying dated 4 May 2017; Revised 2 October 2017; Revised 12 May 2018



#12430 Model			
Shallow	p= 1.7	Vx= 12.22 ft/yr	Plume Length= 82.5'
1,2-DCA			
MW-12 --> RW-3 --> MW-25 --> MW-XR			Xmax= 82.5'

Groundwater Monitoring Well

Groundwater Potentiometric Contour
Contour Interval = 0.5-feet

541.28 Groundwater Elevation (November 13, 2023)

(541.28) Groundwater Elevation Not Used For Contouring Purposes

Approximate Groundwater Flow Direction

N

Title	Groundwater Potentiometric Map – Shallow Interval		
Project	Westside Quick Stop (UST Permit #12430) 821 West Parker Road Greenville, South Carolina Greenville County		
Date	11/27/23	petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS	Figure No. 4
Job No.	J23-898e		

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC, 29201

JUL 19 2024

SHREE GAJVAKRA LLC
205 FAIRWAY DR
LAURENS SC 29360

UST DOCKETING 76

Re: **Notification of Site-Specific Target Levels & Strategy to Closure**
Westside Quick Stop, 821 W Parker Rd, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Monitoring Report received December 12, 2023
Greenville County

To Whom It May Concern

The Underground Storage Tank (UST) Management Division of the South Carolina Department of Environmental Services (SCDES) has established Site-Specific Target Levels (SSTLs) for the referenced release. The SSTLs are being provided to you and your contractor to help plan the investigative and remedial activities that are required.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third-party claims, respectively, not to exceed one million dollars per occurrence". **According to UST Division records, approximately $ $209,114.65 has been expended from the SUPERB Account to date.**

Please see enclosed table for Site-Specific Target Levels (SSTLs). Your consultant should use previous assessment data and the SSTLs to evaluate site rehabilitation options as indicated in the Quality Assurance Program Plan for the UST Management Division (QAPP § A6.XIV, and B1.IV.). A Strategy to Closure document has been enclosed with points of consideration and discussion to be utilized in the development of the corrective action and closure strategy for this release. To assist in the selection of potential remedial technologies, please review the check lists at this link.
https://scdhec.gov/environment/land-management/underground-storage-tanks/ust-owneroperator-information

A meeting has been set for August 22, 2024 at 10:00am to discuss the proposed path to closure for this release. Please contact me **within 15 days** of the date of this letter to confirm the meeting date and time. In addition, please review and complete the Strategy to Closure document and remedial checklists and **return them within 30 days** from the date of this letter. The Strategy to Closure document and remedial checklists should be utilized in the development of the closure strategy for this release.

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0631, by fax at (803) 898-0673, or by email at Adam.Looper@des.sc.gov.

Sincerely,

Adam Looper, P.G., Hydrogeologist
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
Bureau of Land and Waste Management

enc: Table of SSTLs
Strategy to Closure Form
Targeted Scope Cost Agreement

cc: EnviroSouth, Inc., 3440 Augusta Rd, Greenville, SC 29605 (w/ enc)
Quincy Hoffer (w/o enc)
Technical file (w/ enc)

Facility Name: Westside Quick Stop

Greenville County UST Permit #12430

Groundwater SSTLs

	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	1,2-DCA	EDB	TAA	DIPE
MW-1	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-2	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-4	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-12	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-12i	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-20	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-21	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-21i	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-23	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-23i	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-24	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-25	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-26	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-X	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-XR	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

STRATEGY TO CLOSURE PROPOSAL:

WESTSIDE QUICK STOP, 12430, Release #1 reported on 6/7/2012, Release #2 reported on 10/23/2012:

The UST Site Rehabilitation Contractor, on behalf of the owner/operator for the above reference release, proposes the work specified below to achieve Site-Specific Target Levels for the release and to achieve a Conditional No Further Action Determination.

I certify that this company:

- ☐ Has reviewed the technical file for the release and understands the nature of the release(s) and the geologic conditions at the site as documented in the technical file. Any quantities listed below are estimates and changes to those quantities or to the listed method(s) will be further detailed in a Corrective Action Plan submitted to SCDES.

- ☐ Has conducted a site visit and understands the physical layout of the property, the location(s) of any identified receptors, and any limitations that may exist on or off property as it may relate to the possible implementation of any proposed corrective action strategy.

_____ _____

UST Site Rehabilitation Contractor (Print) UST Site Rehabilitation Contractor Certification #

_____ _____

Registered Professional Name (Print) Registered Professional Signature (required)

P.G. ☐ P.E. ☐ (Check appropriate box)

Professional Certification # _____

I (the UST tank owner) certify that I:

- Have discussed the proposed strategy with the UST Site Rehabilitation Contractor and agree with the proposal as put forth.

- Understand that costs up to $1 million SUPERB combined coverage may be utilized, and the UST Management Division reserves the right to set aside funds for the purpose of verifying achievement of remedial goals and understands that costs in excess of the $1 million combined SUPERB coverage are my responsibility as the UST owner.

In addition, I (the UST tank owner) understand that a meeting (in person or virtual) will be scheduled between the UST Management Division, my selected contractor, and myself to discuss the proposed Strategy to Closure. (Please check one of the options below)

☐ I will be present during the meeting to participate in the discussion.

☐ I will not be present during the meeting to participate in the discussion. I consent to allowing my selected contractor to make any decisions necessary regarding the remedial design, including associated costs, on my behalf.

_____ _____

UST Owner (Print) UST Owner Signature

State of _____ County of _____

Signed before me on _____by _____

(date) Name of Person

My Commission Expires On _____

Notary Seal/Stamp Above

CLOSURE STRATEGY CONSIDERATIONS

1. Please provide appropriate information regarding the proposed treatment techniques that are proposed to be implemented at the site. Include the approximate number of injection points, the approximate number of extraction points, approximate volume of excavated material, approximate volume of injected material, etc., if known at this time. **Only** method(s) and/or technology(ies) that will be implemented on site should be included.

2. Complete remedial checklists that support the applicability of the technology for the constituents and geology present at the site. (https://scdhec.gov/environment/land-management/underground-storage-tanks/ust-owneroperator-information)

3. Describe how implementation of the proposed treatment techniques will achieve the Site-Specific Target Levels for dissolved and/or free-phase products.

4. Approximate the amount of time in months for each phase of treatment to be implemented.

5. Approximate the amount of time, in months, it is anticipated that SSTLs will be achieved.

6. Would limited source treatment/removal achieve concentrations below SSTLs or does the extent of off-site contamination require a full-scale corrective action system? Is the proposed corrective action strategy limited to source removal/reduction or will treatment outside the source area be required? Please explain.

7. Please provide information on the length of time after attainment of SSTLs that additional monitoring would be needed to meet the conditions for a CNFA determination Additionally, how will the monitoring results be used to determine that conditional closure requirements are met. (See Section III.B.3.e of the SUPERB Site Rehabilitation and Fund Access Regulations R.61-98 and the Quality Assurance Program Plan for the UST Management Division for details regarding the conditions required a conditional closure)

8. Please provide an estimated total cost to implement this corrective action strategy to achieve a CNFA determination and site closure. The estimate should include a breakdown of each aspect of the corrective action strategy (e.g. source treatment, dissolved plume treatment, MNA monitoring, etc.)

9. Please provide a contingent remedial strategy if the proposed remedial methods fail to achieve the SSTLs within the required time frame. This information can be generalized.

10. Please provide any other relevant information that may be utilized for the purposes of supporting the closure strategy.

Please note, per R.61-98, reimbursement for site rehabilitation activities shall in no event exceed the actual costs incurred.

In determination of costs, the SUPERB Allowable Rates should be utilized where applicable.

In accordance with Section 44-2-130, the owner or operator responsible for conducting the site rehabilitation or his agents shall keep and preserve suitable records of hydrological and other site assessments, site plans, accounts. Invoices, or other transactions related to the cleanup and rehabilitation and the records must be accessible to the department during regular business hours. In addition, all subcontractor agreements, invoices, correspondence, plans, reports, and records, including all electronic and paper formats must be maintained.

SC DEPARTMENT *of* **ENVIRONMENTAL SERVICES**

TARGETED COMPONENT INVOICE

South Carolina
Department of Environmental Services
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: _____

UST Permit #: _____ **Cost Agreement #:** _____

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
C. Survey					
1.1 Comprehensive Survey		each	$1,270.36		$0.00
5. Ground Penetrating Radar Survey (100 x 100)		each	$1,111.57		$0.00
D. Mob/Demob					
1.1 Equipment		each	$1,245.93		$0.00
2.1 Personnel		each	$516.69		$0.00
3.1 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings*					
1. Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)*					
1.1 Standard		per foot	$33.50		$0.00
2.1 Fractured Rock		per foot	$41.40		$0.00
H. Well Abandonment (does not include Field Screening)*					
1.1 2" diameter or less		per foot	$3.79		$0.00
2.1 Greater than 2" to 6" diameter		per foot	$5.50		$0.00
3.1 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. **Well Installation (In accordance with R.61-71)***					
1.1 Water Table (hand augered)		per foot	$31.40		$0.00
2.A Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.1 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.1 Telescoping		per foot	$84.70		$0.00
4.1 Rock Drilling		per foot	$81.80		$0.00
5.1 2" Rock Coring		per foot	$88.50		$0.00
6.1 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.1 Recovery Well (4" diameter)		per foot	$69.60		$0.00
9.1 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.1 Re-develop Existing Well		per foot	$13.44		$0.00

J. Groundwater Sample Collection / Gauging Depth to Water/Product *					
1.1 Groundwater Purge		per well	$73.29		$0.00
2.1 Air or Vapors		sample	$14.66		$0.00
3.1 Water Supply Sample		sample	$26.87		$0.00
4.1 HydraSleeve		sample	$34.20		$0.00
4.2A No-purge Groundwater Sample/Surface water		sample	$57.24		$0.00
5.1 Gauge Well only		sample	$8.55		$0.00
6.1 Sample Below Product		sample	$14.66		$0.00
7.1 Passive Diffusion Bag		sample	$31.75		$0.00
8.1 Field Duplicates (MWs & WSWs) and Field Blanks		sample	$30.06		$0.00
9.1 Groundwater (low flow purge)		sample	$111.16		$0.00
10.1 Equipment Blank		sample	$30.06		$0.00
11. Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.1 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)		per sample	$149.02		$0.00
2.1 Lead, Filtered		per sample	$16.85		$0.00
3.1 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.1 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.1 PAH's		per sample	$74.02		$0.00
6.1 Lead		per sample	$19.54		$0.00
7.1 EDB by EPA 8011		per sample	$55.21		$0.00
8.1 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.1 8 RCRA Metals		per sample	$77.45		$0.00
10.1 TPH (9070)		per sample	$50.09		$0.00
11.1 PH		per sample	$6.35		$0.00
12.1 BOD		per sample	$24.42		$0.00
13.1 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.1 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.1 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.1 EDB (504.1)		per sample	$97.11		$0.00
17.1 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.1 BTEX + Naphth.		per sample	$78.18		$0.00
19.1 PAH's		per sample	$78.22		$0.00
20.1 8 RCRA Metals		per sample	$68.89		$0.00
21.1 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.1 TPH- GRO (5035B/8015C)		per sample	$43.92		$0.00
23.1 Grain size/hydrometer		per sample	$127.04		$0.00
24.1 Total Organic Carbon		per sample	$37.38		$0.00
P. Survey*					
1. Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)*					
1.1 Wastewater		gallon	$1.19		$0.00
2.1 Free Product		gallon	$1.63		$0.00
3.1 Soil Treatment/Disposal		ton	$156.25		$0.00
4.1 Drilling fluids		gallon	$1.25		$0.00

R. Miscellaneous (attach receipts)		each			$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.1 8-hour Event*		per event	$1,787.40		$0.00
2. 24-hour Event*		per event	$4,407.78		$0.00
3. 48-hour Event*		per event	$7,242.29		$0.00
4. 96-hour Event*		per event	$14,482.28		$0.00
5. Off-gas Treatment 8 hour		per event	$141.17		$0.00
6.1 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.1 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8. Off-gas Treatment 96 hour		per event	$898.84		$0.00
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.1 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.1 AFVR Site Reconnaissance		each	$302.40		$0.00
15. Additional Hook-ups		each	$29.68		$0.00
16.1 AFVR Effluent Disposal		gallon	$0.53		$0.00
17.1 AFVR Mobilization/Demobilization		each	$777.60		$0.00
Z. High Resolution Site Characterization					
1. HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2. HRSC Drilling Category 1		per foot	$31.32		$0.00
3. HRSC Drilling Category 2		per foot	$36.18		$0.00
4. HRSC Drilling Category 3		per foot	$29.16		$0.00
5. HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	$0.00		$0.00
TOTAL					$0.00

ITEM					
R. Miscellaneous (attach receipts)	QUANTITY	UNIT	UNIT PRICE		TOTAL
Corrective Action Plan	0	each	$0.00		$0.00
I. Injection					
Injectate	0	per event	$0.00		$0.00
Injection Services - AK&GPR	0	per event	$0.00		$0.00
Injection supplies	0	each	$0.00		$0.00
Injection Services - Regenesis	0	each	$0.00		$0.00
Secondary Parameter Analysis	0	each	$0.00		$0.00
II. Enhanced AFVR					$0.00
Injectate		per event			$0.00
Injection Services		per event			$0.00
Secondary Parameter Analysis		each			$0.00
III. Excavation		ton			$0.00
Excavation Equipment and Operator		each			$0.00
Backfill Material		ton			$0.00
Backfill Additive		ton			$0.00
Proctor/Compaction Testing		per event			$0.00
Sheet Piling		per event			$0.00
Dewatering Equipment		per event			$0.00
Excavation Security/Fencing		per event			$0.00
TOTAL					$0.00

Re: Strategy to Closure for SCDES UST ID 12430

Adam M. Looper <Adam.Looper@des.sc.gov>
Tue 9/17/2024 12:38 PM
To:William Lyons <wlyons@envirosouth.com>
Cc:Trevor Hudson <thudson@envirosouth.com>

1 attachments (83 KB)
12430 Targeted ACA Meeting Notes.pdf;

US 77 DOCKETING

Good afternoon Will,

As discussed last week, I have attached the notes from our Strategy to Closure meeting for Westside. This includes our follow up response concerning the contingency plans. Let me know if you have any questions.

We are waiting on the hard copy of the Strategy to Closure. Once we receive it, I will send the CAP Request. I imagine we will have more to discuss once we receive the CAP and cost proposal.

Adam

From: Beth Dalke <bdalke@envirosouth.com>
Sent: Tuesday, August 20, 2024 6:20 PM
To: Adam M. Looper <Adam.Looper@des.sc.gov>
Cc: Ankur Patel <avpatelin@yahoo.com>; William Lyons <wlyons@envirosouth.com>; Trevor Hudson <thudson@envirosouth.com>; tdonn@envirosouth.com <tdonn@envirosouth.com>; Allen Meadows <ameadows@envirosouth.com>
Subject: Strategy to Closure for SCDES UST ID 12430

*** Caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. ***

This Message Is From an External Sender
This message came from outside your organization.

Adam,

Please see the attached Strategy to Closure for the Westside Quick Stop facility located at 821 W. Parker Road, Greenville, South Carolina (SCDES UST ID #12430). This document is in support of the meeting scheduled between EnviroSouth and the SCDES on Thursday, 8/22/24 at 10:00. Also attached is the SCDES Strategy to Closure proposal stating that the tank owner will not be attending the Thursday meeting.

A paper copy along with a CD will be mailed to you later this week.

If you have any questions, please call or email.

Thanks,

Beth Dalke

8.22.2024 Targeted ACA Meeting-12430-EnviroSouth

Thursday, August 22, 2024 10:00 AM

EnviroSouth decided they needed a plan that will remove the FP but must be utility safe. They wanted an oxidative agent. That's why they chose RegenOx. PersulfOx would cause issues. RegenOx is more expensive but seems to work.

EnviroSouth mentioned that the WSW is not located. If it is located in the future, we can approve the abandonment costs under a separate cost agreement and Notice to Proceed.

SCDES mentioned that we are fine with their contingency plans. CAP Addendums can be approved. No additional cost are allowed to implement contingency plans that are over the pre-approved cost of the targeted ACA. If the contractor needs to switch technologies during the targeted ACA period and all of the cost have not been spent then we can adjust the pre-approved cost to cover the new technology. Make sure that a CAP addendum and CA Addendum are submitted and approved prior to implementation of any new technologies or ACA methods. Communication will be key to make sure that cost and technologies are properly pre-approved before you start field work.

Questions from SCDES:

1. What depths will the injections points be?
   EnviroSouth Response: Each point will be 42 feet unless they encounter auger refusal.
2. MW-1 is in low impact Zone
   EnviroSouth Response: The hot spot zone is the area in the direct vicinity of MW-24 which has roughly a foot more product than that of MW-1. We believe the current dose of RegenOx is sufficient to remove all free-product. However, if you would like we can increase the chemical dosage in the current lower impact areas without increasing the total days of work. Cost savings vs aggressiveness.
3. Cost Proposal Section H, is the footage included for the final closure MW abandonment?
   EnviroSouth Response: Yes.
4. Cost Proposal Section H, what wells will be redeveloped?
   EnviroSouth Response: Any well that needs to be. Some wells can silt up from the injections.
5. Cost Proposal Section H, what are the expendable supplies and tooling that are mentioned?
   EnviroSouth Response: Drilling tips, respirators, cartridges, Tyvek suits, PPE, etc required for injections.

Questions from EnviroSouth:

1. Can we invoice immediately after the injection events and then again after the AFVR events?
   SCDES Response: Yes, but we will need a report that documents the injection event before payment will be approved.
2. What will be required in the report?
   SCDES Response: How many points were injected, amount of injectate at each point, map with injection point locations, 1903 Forms, etc.
3. Could they add costs after event 2 if they need to expand the Hot Zone to include the Low Impact Zone?
   SCDES Response: No additional cost are allowed to implement contingency plans that are over the pre-approved cost of the targeted ACA. If the contractor needs to switch technologies during the targeted ACA period and all of the cost have not been spent then we can adjust the pre-approved cost to cover the new technology. Make sure that a CAP addendum and CA Addendum are submitted and approved prior to implementation of any new technologies or ACA methods. Communication will be key to make sure that cost and technologies are properly pre-approved before you start field work.

What SCDES needs from EnviroSouth:

1. Hard copy of Strategy to Closure & Timeline
2. Depths of injection Points should be included in the Corrective Action Plan once it is requested.

ENVIROSOUTH
Environmental Consultants

August 20, 2024

RECEIVED
SEP 23 2024
UST DIVISION

UST
78
DOCKETING

Mr. Adam Looper
SCDES
Division of UST Management
2600 Bull Street
Columbia, South Carolina 29201

Re: Strategy to Closure
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES Site ID No. 12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

On behalf of Shree Gajvakra, LLC, EnviroSouth, Inc. is pleased to submit the attached closure strategy regarding the above-referenced site in Greenville, South Carolina.

If you have any questions concerning our findings, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

Thomas F. Donn, P.G.
Principal Hydrogeologist
S.C. Registration No. 908

cc: Mr. Ankur Patel, Shree Gajvakra, LLC

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

STRATEGY TO CLOSURE PROPOSAL:

WESTSIDE QUICK STOP, 12430, Release #1 reported on 6/7/2012, Release #2 reported on 10/23/2012:

The UST Site Rehabilitation Contractor, on behalf of the owner/operator for the above reference release, proposes the work specified below to achieve Site-Specific Target Levels for the release and to achieve a Conditional No Further Action Determination.

I certify that this company:

- [x] Has reviewed the technical file for the release and understands the nature of the release(s) and the geologic conditions at the site as documented in the technical file. Any quantities listed below are estimates and changes to those quantities or to the listed method(s) will be further detailed in a Corrective Action Plan submitted to SCDES.

- [x] Has conducted a site visit and understands the physical layout of the property, the location(s) of any identified receptors, and any limitations that may exist on or off property as it may relate to the possible implementation of any proposed corrective action strategy.

EnviroSouth Inc.
UST Site Rehabilitation Contractor (Print)

257
UST Site Rehabilitation Contractor Certification #

William H. Lyons
Registered Professional Name (Print)

Registered Professional Signature (required)

P.G. [x] P.E. [ ] (Check appropriate box)

Professional Certification # 2705

I (the UST tank owner) certify that I:

- Have discussed the proposed strategy with the UST Site Rehabilitation Contractor and agree with the proposal as put forth.

- Understand that costs up to $1 million SUPERB combined coverage may be utilized, and the UST Management Division reserves the right to set aside funds for the purpose of verifying achievement of remedial goals and understands that costs in excess of the $1 million combined SUPERB coverage are my responsibility as the UST owner.

n addition, I (the UST tank owner) understand that a meeting (in person or virtual) will be scheduled between the UST Management Division, my selected contractor, and myself to discuss the proposed Strategy to Closure. (Please check one of the options below)

☐ I will be present during the meeting to participate in the discussion.

☑ I will not be present during the meeting to participate in the discussion. I consent to allowing my selected contractor to make any decisions necessary regarding the remedial design, including associated costs, on my behalf.

ANKUR PATEL
UST Owner (Print)

UST Owner Signature

State of South Carolina County of Laurens

Signed before me on 8/13/24 (date) by Ankur Patel Name of Person

My Commission Expires On September 1st, 2027

Notary Seal/Stamp Above

KAYLA SWINK
MY COMMISSION EXPIRES SEPTEMBER 1, 2027
NOTARY PUBLIC
SOUTH CAROLINA

ENVIROSOUTH
Environmental Consultants

August 20, 2024

Mr. Adam Looper
SCDES
Division of UST Management
2600 Bull Street
Columbia, South Carolina 29201

Re: Strategy to Closure
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES Site ID No. 12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

On behalf of Shree Gajvakra, LLC, EnviroSouth, Inc. is pleased to submit the attached closure strategy regarding the above-referenced site in Greenville, South Carolina.

If you have any questions concerning our findings, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

Thomas F. Donn, P.G.
Principal Hydrogeologist
S.C. Registration No. 908

cc: Mr. Ankur Patel, Shree Gajvakra, LLC

Prepared for:

Mr. Ankur Patel
Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

STRATEGY TO CLOSURE

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

Job No. 3570
SCDES Site ID No. 12430

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

UST Contractor No. 257

August 20, 2024

A report prepared for:

Mr. Ankur Patel
Shree Gajvakra LLC
205 Fairway Drive
Laurens, South Carolina 29360

STRATEGY TO CLOSURE
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

EnviroSouth Job No. 3570
SCDES UST Permit No. 12430

Trevor Hudson
Environmental Engineer

Thomas F. Donn, P.G.
Principal Hydrogeologist
S.C. Registration No. 908

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605
864-236-9010

August 20, 2024

INTRODUCTION

EnviroSouth, Inc. has completed this Strategy to Closure document for the Westside Quick Stop facility as requested by the South Carolina Department of Environmental Services (SCDES) in a letter dated July 19, 2024. The document outlines the recommended approach for targeted-scope corrective action to mitigate groundwater impacted by petroleum hydrocarbons from two (2) documented underground storage tank (UST) releases. The purpose of this document is to outline a successful mitigation plan to achieve regulatory closure for both releases.

BACKGROUND

The Westside Quick Stop facility is in the city of Greenville, Greenville County, South Carolina at the location displayed on Figure 1. The site address is 821 W. Parker Road, Greenville, South Carolina. The facility is in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road and W. Blue Ridge Drive. The site is an active gasoline station that maintains four (4) regulated underground storage tanks (USTs) and associated piping and dispensers. The site has two (2) documented releases. Release #1 was reported in June 2012 and Release #2 was reported in October 2012. A unnamed tributary of Long Branch is located approximately 500 feet to the southeast of the site.

An Initial Groundwater Assessment (IGWA), Tier I Assessment, and an initial Tier II Assessment were completed in response to these releases. As a result of the presence of free-phase gasoline in groundwater monitoring well MW-1 during a May 2016 groundwater gauging event conducted by the South Carolina Department of Environmental Services (SCDES), an additional Tier II Assessment and two 96-hour Aggressive Fluid Vapor Recovery/Mobile Multi-Phase Extraction (AFVR/MMPE) events were completed at the site in early 2017. Additional 96-hour AFVR/MMPE events were completed at the site in May 2018, January 2020, February 2021, March 2021, February 2022, and March 2022. Four (4) additional 96-hour AFVR/MMPE events and a comprehensive groundwater sampling event were performed from September 2023 to October 2023. A Comprehensive Groundwater Monitoring report detailing these field activities was submitted in December 2023.

After completing twelve (12) 96-hour AFVR events (as detailed above), widespread free-phase

product remains at thicknesses up to 1.14 feet (November 2023).

While product thickness reductions have been observed, the releases cannot be closed until product thicknesses are reduced to less than 0.01 feet and dissolved contaminant concentrations are below site-specific target levels (SSTLs). Based on the persistence of free-phase product, it has become evident that an alternative, more aggressive, approach to reach closure is needed. Therefore, the SCDES calculated SSTLs and requested a Strategy to Closure in a letter dated July 19, 2024.

CLOSURE STRATEGY CONSIDERATIONS

Proposed Treatment Technique

The petroleum source area has been identified by previous assessment to be the current underground storage tank (UST) basin and the area immediately downgradient. This area has been determined to be approximately 40 feet wide by 65 feet long and extends vertically from approximately 21 feet below ground surface (bgs) to 42 feet bgs.

Source area treatment at the site will require a technique that will remove adsorbed and mobile phase hydrocarbons and reduce contaminant concentrations in groundwater to below calculated SSTLs. Enhanced AFVR utilizing an injected oxidizing surfactant and desorber known as (RegenOx® - manufactured by Regenesis) followed by 96-hour AFVR events has been selected as the treatment technique to accomplish these objectives.

The most contaminated portion of the source area has been identified as a 900 square feet area identified as the “Hot Spot”. This area will be treated more aggressively than the remaining portions of the source area which are identified as the “Lower Impact” zone. Both the “hot spot” and “lower impact” areas are shown on Figure 2.

Prior to injection and AFVR events, three (3) 4-inch diameter recovery wells will be installed at the locations shown on the attached Figure 2. The purpose of these wells is to supplement the existing recovery well network to maximize coverage of the free-phase plume. The recovery

wells will be completed to a depth of approximately 42 feet bgs with a 20-foot section of 0.010-inch slotted screen to affect the targeted depth interval. A recovery well schematic is included as Figure 3.

Hot Spot Zone Treatment

Free-phase gasoline exists in the immediate vicinity of the current UST basin as measured in wells MW-24, RW-1, and RW-2 are impacted with free-phase gasoline. This area is defined as the "Hot Spot" and includes the area immediately northeast of the current UST basin (see Figure 2). The Hot Spot area covers approximately 900 square feet. The depth of the contaminant mass extends from approximately 21 feet bgs to 42 feet bgs. Treatment in the Hot Spot area will be performed utilizing in-situ chemical oxidation and desorption with RegenOx® followed by a 96-hour AFVR event utilizing wells RW-1, RW-2, and MW-24. The AFVR events will be performed approximately three (3) weeks following injection activities. There will be three (3) injection/AFVR events with 18 injection points planned per application. Each injection event will require five (5) days to complete. The application events will be spaced approximately five (5) weeks apart. The injection points for each application will be installed on a 7 feet by 7 feet grid. The grids for the second and third application will be off-set by approximately 2.5 feet from the first application to maximize coverage (see Figures 4, 5, and 6).

All three (3) application events in the Hot Spot zone will utilize a combined total of approximately 12,320 pounds of RegenOx® mixed with 18,128 gallons of potable water.

Lower Impact Zone Treatment

Groundwater in the immediate area to the west, northwest, and southeast of the current UST basin is impacted by high concentrations of dissolved and sorbed phase petroleum hydrocarbons. The "Lower Impact" areas cover approximately 1,500 square feet. The depth of the contaminant mass extends from approximately 21 feet bgs to 42 feet bgs. Treatment in the Lower Impact areas will be performed utilizing in-situ chemical oxidation and desorption with RegenOx® followed by two consecutive 96-hour AFVR events. The 96-hour AFVR events will utilize wells MW-1, RW-5, and RW-6 for the first event and wells MW-2, RW-3, and RW-4 for the second event. The AFVR events will be performed approximately three (3) weeks following

injection activities. There will be two (2) injection/AFVR events with 31 points planned per injection application. Each injection event will require eight (8) days to complete. The application events will be spaced approximately five (5) weeks apart. The injection points for each application will be installed on a 7 feet by 7 feet grid. The grid for the second application will be off-set 3.5 feet from the first application to maximize coverage (see Figure 8 and 9).

Both application events in the Lower Impact areas will utilize a combined total of approximately 9,720 pounds of RegenOx® mixed with 25,767 gallons of potable water.

Remedial Checklists

The completed remedial checklists for the Westside Quick Stop are attached.

Achieving Site-Specific Target Levels (SSTLs)

The amount of RegenOx® planned for the Hot Spot area and the Lower Impact areas has been designed by the manufacturer (Regenesis) to be sufficient to reduce contaminant mass to less than the SSTLs and remove persistent free-phase and sorbed-phase gasoline.

Contingency Plan

An increased dose of RegenOx® paired with an additional AFVR event will be utilized to treat any remaining area exceeding SSTLs to achieve treatment goals.

In the event that the planned RegenOx® doses are insufficient to achieve site-closure, alternative techniques such as bucket auger excavation will be considered.

EnviroSouth will submit an addendum to the Corrective Action Plan, Underground Injection Control Permit, and Cost Agreement, as necessary, in the event that a contingency plan is required to achieve site closure.

Timeline for Treatment

The proposed treatment of both the Hot Spot and Lower Impact areas will require approximately nineteen (19) weeks to complete.

Timeline for Achieving SSTLs

Based on the documented effectiveness of the proposed remediation products and methods planned for use at the site, SSTLs will likely be achieved for both releases within six (6) months after enhanced AFVR activities are completed.

Limited Source Treatment or Full-Scale Corrective Action System Scope

Source area treatment is expected to achieve SSTLs for the Westside Quick Stop facility. No off-site treatment will be required.

Monitoring Schedule

Based on communication with the SCDES, it is proposed that limited monitoring events will be performed for the two (2) quarters after remedial activities are completed and comprehensive monitoring events will be performed for two (2) additional quarters.

Monitoring Strategy

It is anticipated that SSTLs will be attained within six (6) months after enhanced AFVR activities are completed. Two (2) limited quarterly sampling events will be performed utilizing select wells (wells MW-1, MW-2, MW-3, MW-4, MW-4I, MW-12, MW-12I, MW-14, MW-14I, MW-17, MW-17I, MW-20, MW-22, MW-22I, MW-24, MW-25, MW-26, MW-26I, MW-X, and MW-XR).

Two (2) comprehensive sampling events utilizing all monitoring wells will be performed in the third and fourth quarters after remedial activities are completed. All samples will be analyzed for benzene, toluene, ethylbenzene, xylenes (total), methyl-tert-butyl-ether, naphthalene, 1,2-dichloroethane, and eight (8) oxygenates by EPA 8260 and 1,2-dibromoethane by EPA 8011.

Recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 will be gauged only for the presence of free-phase gasoline during all sampling events.

Following the quarterly groundwater sampling events detailed above and SCDES approval, all monitoring and recovery wells at the site will be properly abandoned by a South Carolina licensed driller.

Estimated Cost Breakdown

The cost estimate breakdown for the planned corrective action approach is attached.

Additional Relevant Information

The Regenesis technical proposal for the RegenOx® application at the site is attached for reference.

APPENDIX

FIGURES

REGENESIS PROPOSAL

COST AGREEMENT

REMEDIATION CHECKLISTS

FIGURES

Reference: USGS 7.5-Minute series Greenville Quadrangle - 2011; Contour Interval = 10 feet

500 250 0 500

APPROXIMATE SCALE IN FEET

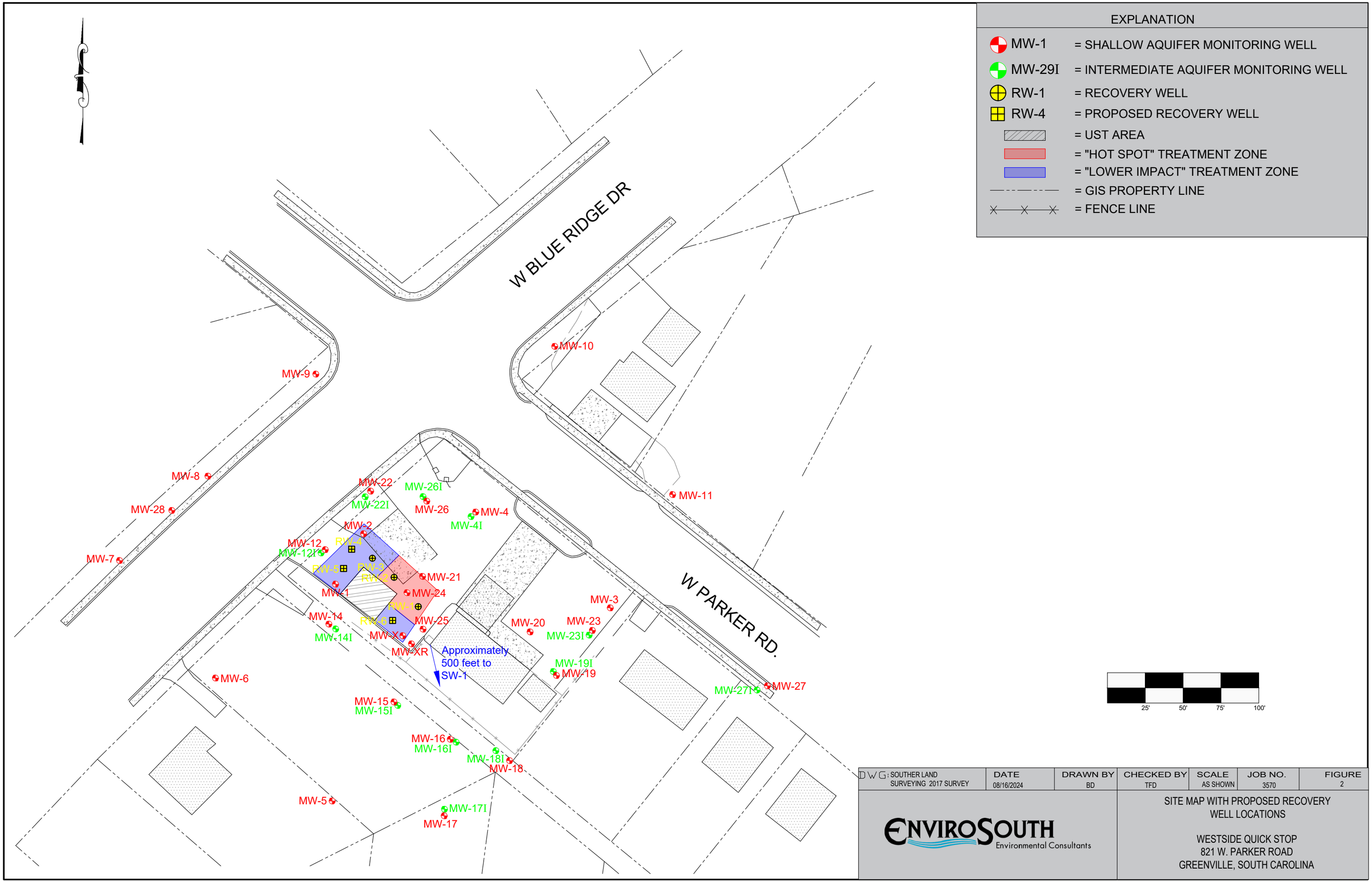
SITE

Private Water Supply Well

Title	Site Location Map
Project	Westside Quick Stop (UST Permit #12430) 821 W. Parker Road Greenville, South Carolina Greenville County
Date	11/26/21
Job No.	J21-977b

petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS

Figure No. 1

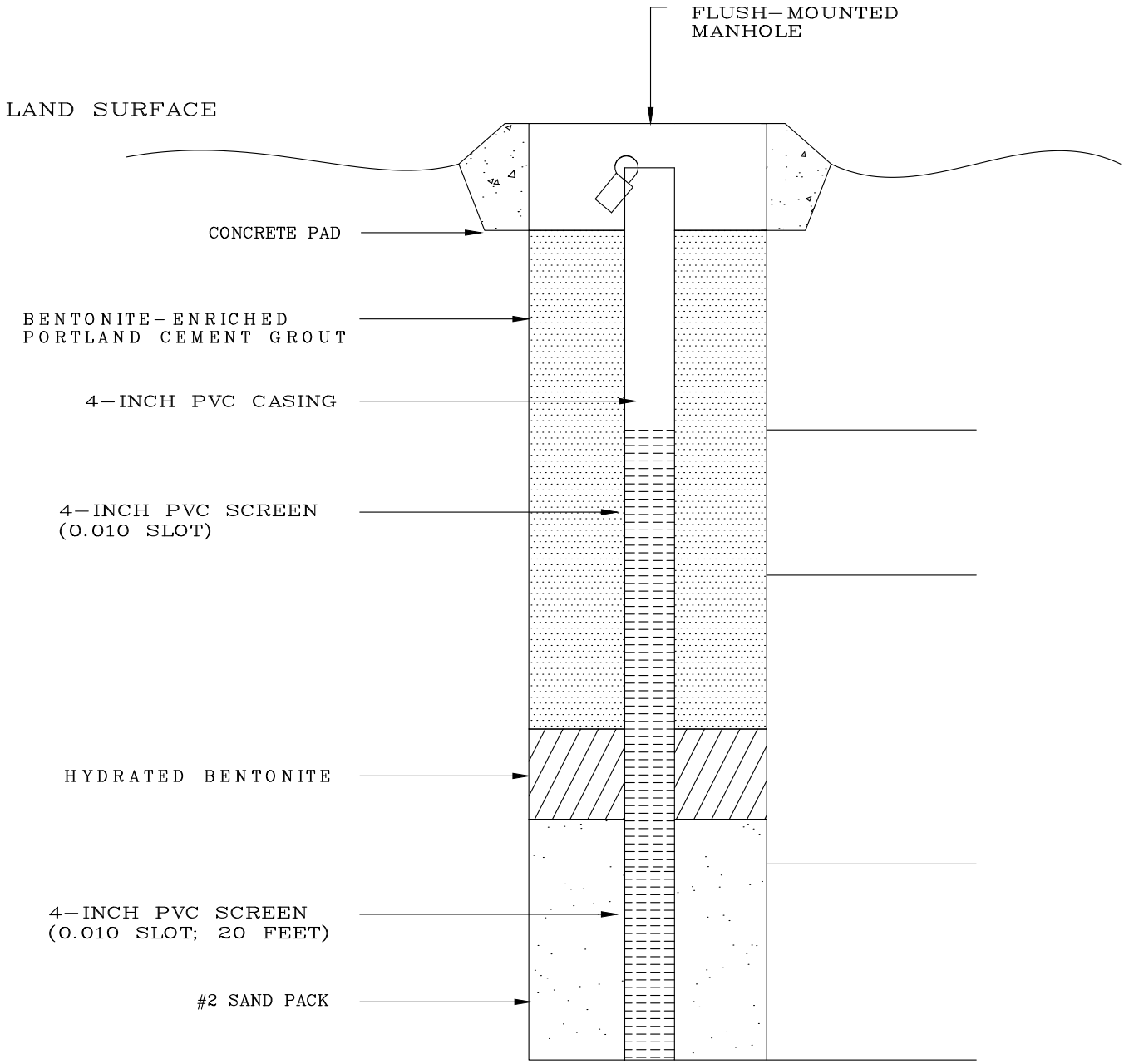


DWG: SOUTHER LAND SURVEYING 2017 SURVEY	DATE 08/16/2024	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 2

ENVIROSOUTH Environmental Consultants

SITE MAP WITH PROPOSED RECOVERY WELL LOCATIONS

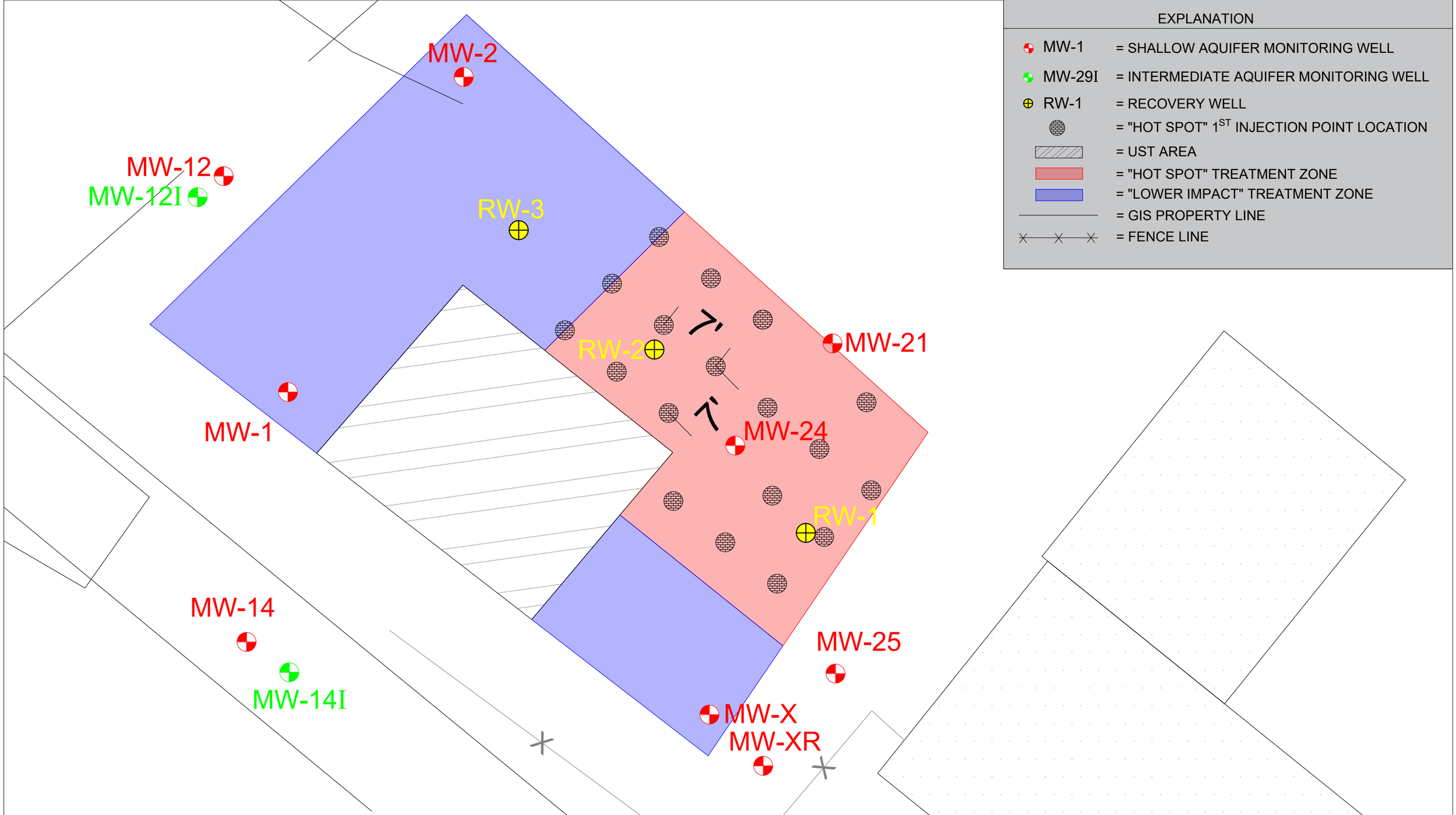
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



ENVIROSOUTH
Environmental Consultants

RECOVERY WELL DIAGRAM
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

FIGURE: 3

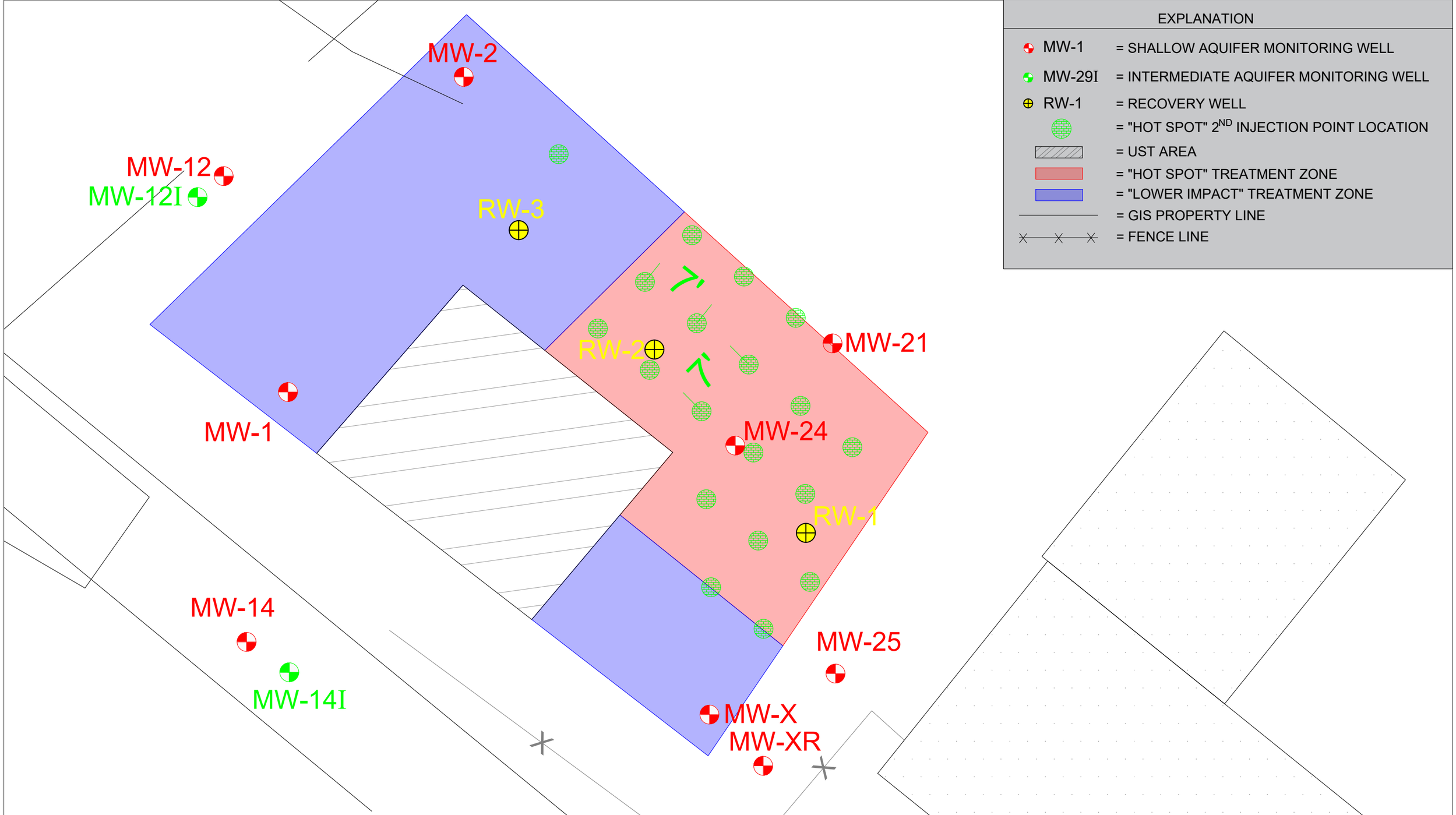


DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
SOUTHER LAND SURVEYING 2017 SURVEY	08/16/2024	BD	TFD	AS SHOWN	3570	4

ENVIROSOUTH Environmental Consultants

"HOT SPOT" INJECTION LOCATIONS - 1ST ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

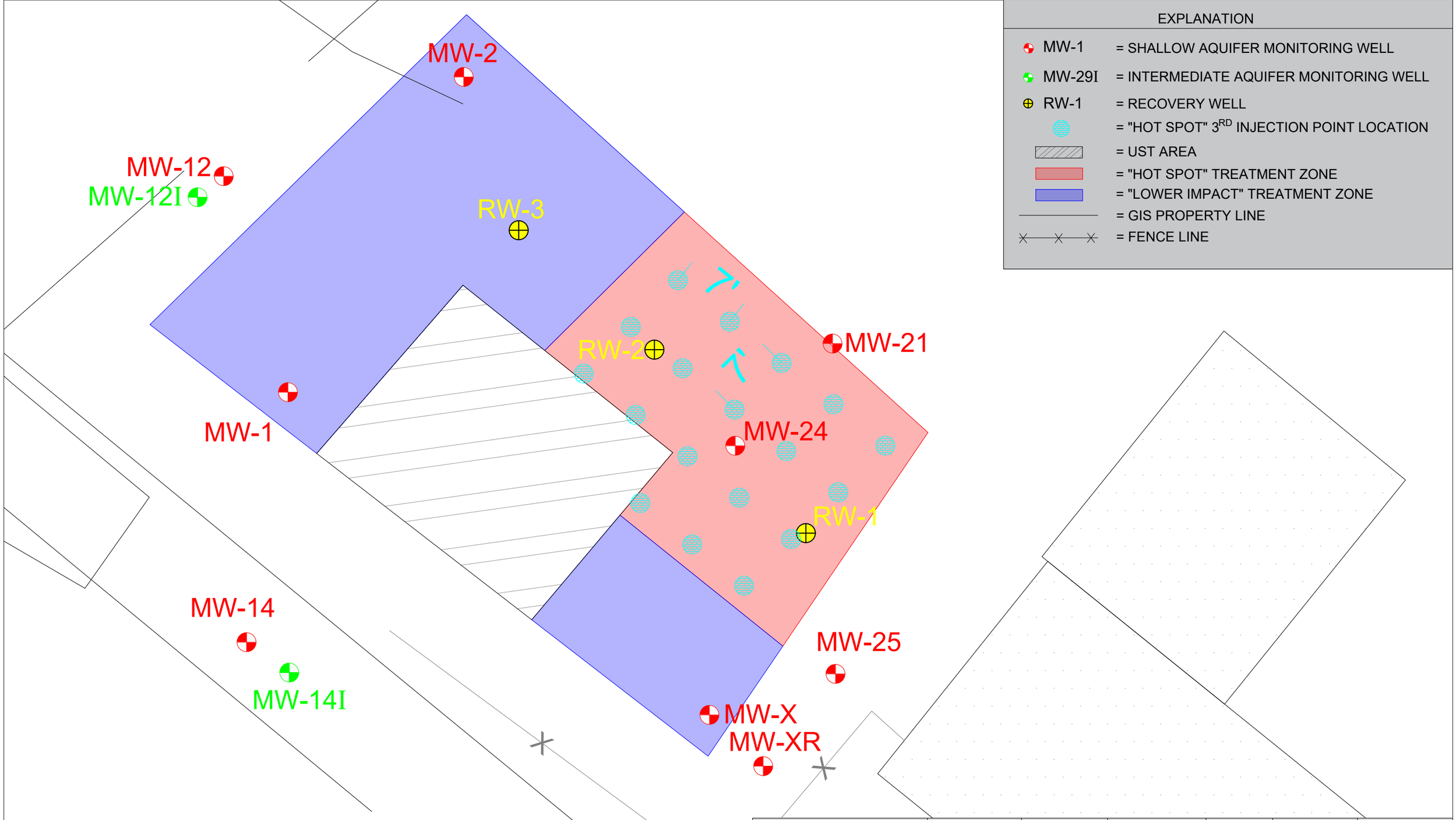


DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
SOUTHER LAND SURVEYING 2017 SURVEY	08/16/2024	BD	TFD	AS SHOWN	3570	5

ENVIROSOUTH Environmental Consultants

"HOT SPOT" INJECTION LOCATIONS - 2ND ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

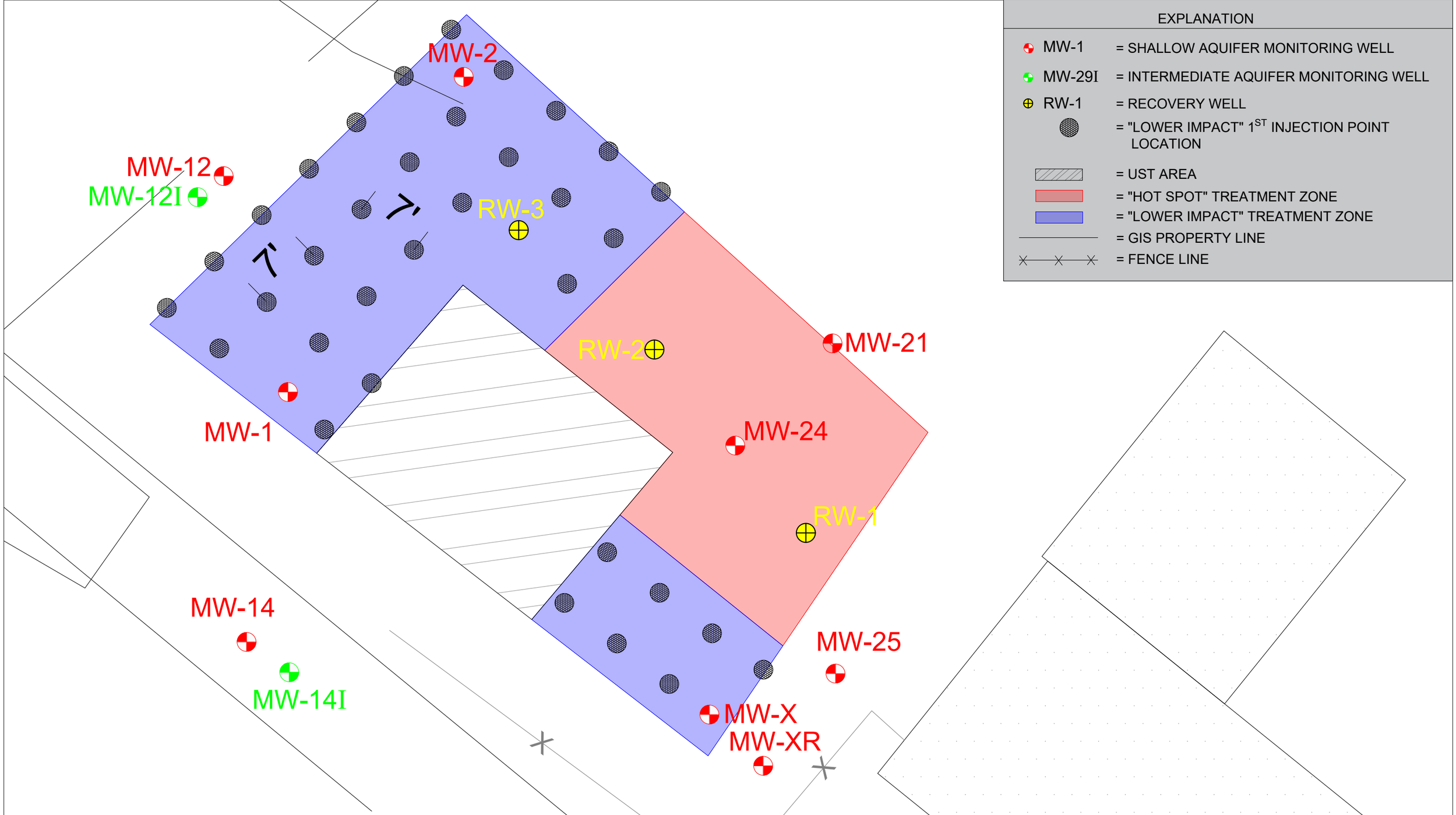


DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
SOUTHER LAND SURVEYING 2017 SURVEY	08/16/2024	BD	TFD	AS SHOWN	3570	6

ENVIROSOUTH Environmental Consultants

"HOT SPOT" INJECTION LOCATIONS - 3RD ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

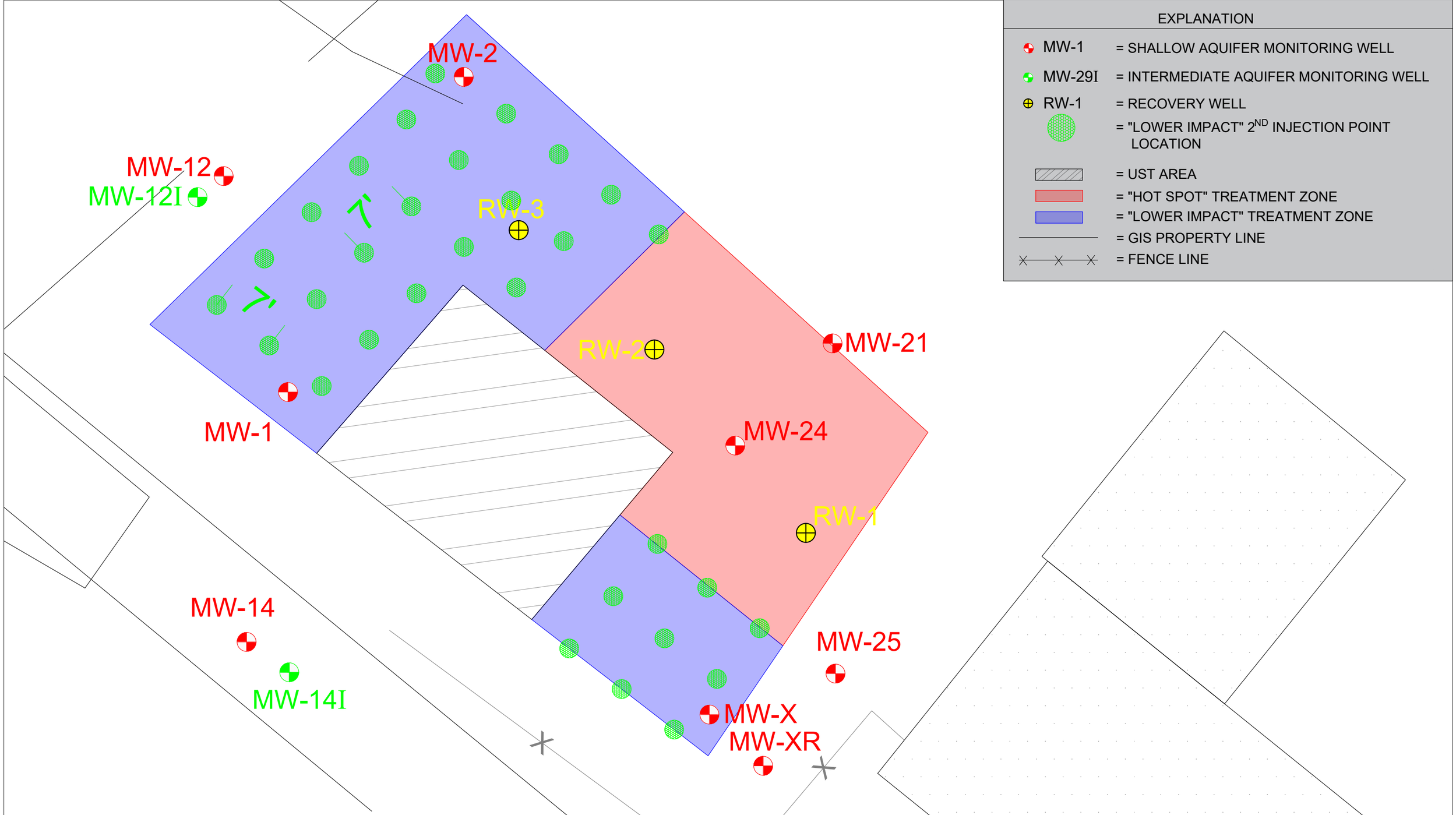


DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
SOUTHER LAND SURVEYING 2017 SURVEY	08/16/2024	BD	TFD	AS SHOWN	3570	7

ENVIROSOUTH Environmental Consultants

"LOWER IMPACT" INJECTION LOCATIONS - 1ST ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
SOUTHER LAND SURVEYING 2017 SURVEY	08/16/2024	BD	TFD	AS SHOWN	3570	8

ENVIROSOUTH Environmental Consultants

"LOWER IMPACT" INJECTION LOCATIONS - 2ND ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

REGENESIS

Technology-Based Solutions for the Environment

PROJECT NAME

Westside Quick Stop

Preliminary Cost Proposal

PREPARED FOR

EnviroSouth
William Lyons
wlyons@envirosouth.com

PREPARED BY

REGENESIS

Daniel Pile
dpile@regenesis.com

Ian Doliana
idoliana@regenesis.com

August 09, 2024

Project Summary

REGENESIS appreciates the opportunity to provide EnviroSouth our remedial design and cost estimate for the Westside Quick Stop project. This proposal includes an overview of our proposed solution, the project goals, technologies proposed, application design summary table and a treatment area map.

Proposed Solution

We propose treatment with RegenOx to address residual petroleum hydrocarbon impacts within the defined treatment area. These reagents will be applied via direct push injection. We are also recommending extraction events following each application. The target extraction volume should be approximately 120% of each event's injection volume and should occur 2-3 weeks after each event. Reagent quantities are estimated based on provided site information. Adjustments may be needed after further investigation.

Project Goals

- Remove NAPL from MW-1, RW-1, RW-2, and MW-24
- Reduce groundwater concentrations to below solubility limits

Technologies Proposed

- RegenOx®

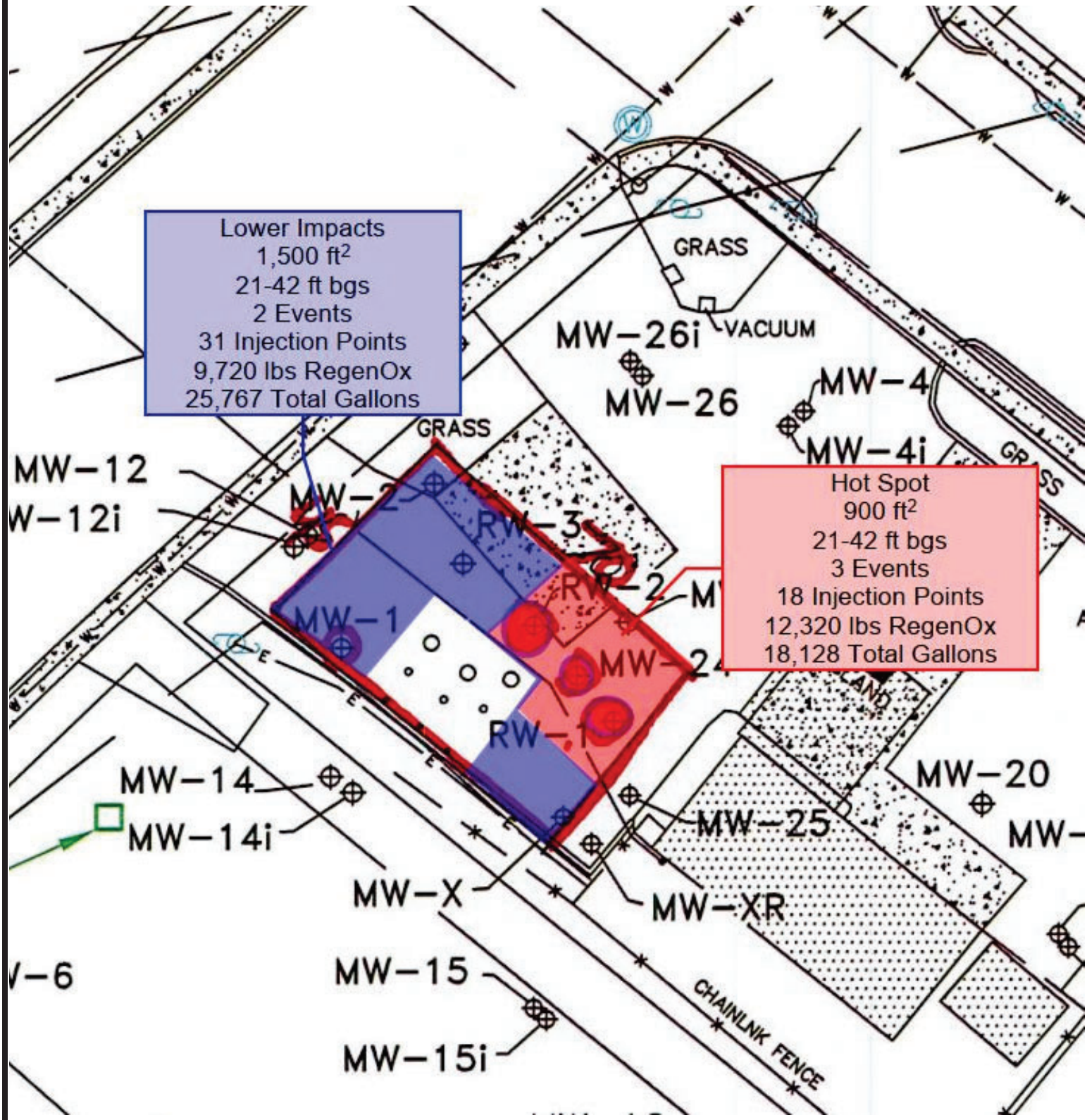
Click above to access product specification sheets

Hot Spot		
Design Parameters	**Unit**	**Value**
Treatment Area	ft sq.	900
Top Treat Depth (ft. bgs)		21
Bottom Treat Depth (ft. bgs)		42
Vertical Treatment Interval	ft	21
Soil Type		Sandy silt
Porosity	cm3/cm3	0.40
Effective Porosity	cm3/cm3	0.15
Hydraulic Gradient	ft/ft	0.01
GW Velocity	ft/yr	60.88
Application Summary		
Spacing Within Rows (ft)		7
Spacing Between Rows (ft)		7
Injection Points (per app.)		18
Number of Applications		3
RegenOx Part A Solution %		6%
Eff. Pore Voume Occupancy		85%
Product Dosage		
RegenOx Part A	lbs	9,240
RegenOx Part B	lbs	3,080
Water Required	gallons	17,347
Total Volume Applied	gallons	18,128

Lower Impacts		
Design Parameters	**Unit**	**Value**
Treatment Area	ft sq.	1,500
Top Treat Depth (ft. bgs)		21
Bottom Treat Depth (ft. bgs)		42
Vertical Treatment Interval	ft	21
Soil Type		Sandy silt
Porosity	cm3/cm3	0.40
Effective Porosity	cm3/cm3	0.15
Hydraulic Gradient	ft/ft	0.01
GW Velocity	ft/yr	60.88
Application Summary		
Spacing Within Rows (ft)		7
Spacing Between Rows (ft)		7
Injection Points (per app.)		31
Number of Applications		2
RegenOx Part A Solution %		3%
Eff. Pore Voume Occupancy		73%
Product Dosage		
RegenOx Part A	lbs	6,480
RegenOx Part B	lbs	3,240
Water Required	gallons	25,107
Total Volume Applied	gallons	25,767

Technical Resources

- RegenOx® Technical Bulletin: Compatibility with Underground Storage Structures and Pipes
- RegenOx® Technical Bulletin: Increased Solubility Effects When Treating Total Petroleum Hydrocarbons
- RegenOx® Technical Bulletin: Chemical Oxidation of Petroleum Hydrocarbons in High Total Organic (TOC) Environments



Westside Quick Stop

EnviroSouth

August 09, 2024

Figure 1-Treatment Area Map

REGENESIS

Technology-Based Solutions for the Environment

Technical Approach

Our review of the site data indicates that non-aqueous phase liquids (NAPLs) are present. RegenOx is an advanced chemical oxidation technology that destroys contaminants through powerful, yet controlled chemical reactions. This product maximizes *in-situ* performance while using a solid alkaline oxidant that employs a sodium percarbonate complex with a multi-part catalytic formula. RegenOx directly oxidizes contaminants while its unique catalytic component generates a range of highly oxidizing free radicals that rapidly and effectively destroy a range of target contaminants including both petroleum hydrocarbons and chlorinated compounds. The secondary ability of RegenOx is to increase the desorption rates of hydrocarbons bound in saturated soil and make them available for more efficient and rapid treatment using a range of mass recovery technologies including multi-phase extraction as proposed here. Each RegenOx application is expected to result in oxidant longevity of 2 to 3 weeks, while the activator will persist longer. For this reason, multiple applications, at an application event spacing of approximately 2 to 3 weeks, coupled with an enhanced recovery technology, are recommended for use in this project.

Due to the unique surfactant characteristics of RegenOx, which is designed to allow for mass transfer from sorbed to dissolved phase and/or free-phase, we recommend that use of this product be coupled with multi-phase extraction (MPE) at this site. MPE is best conducted using a mobile vacuum tanker truck or similar high-vacuum system which can quickly remove dissolved and free-phase mass. The events should be conducted approximately 2-3 weeks after each RegenOx application (i.e., immediately prior to each subsequent RegenOx application). Each extraction event should remove approximately 120% of the injection volume from each event.

Treatment Zone Design Parameters

The table below summarizes pertinent treatment zone information used for developing the remedial application design. Where site-specific data were unavailable, default values based on soil type were used.

Target Treatment Zone (TTZ) Info	Unit	Value
Treatment Area	ft^2	1,500
Top Treatment Depth	ft	21.0
Bottom Treatment Depth	ft	42.0
Vertical Treatment Interval	ft	21.0
Treatment Zone Volume	ft^3	31,500
Treatment Zone Volume	cy	1,167
Soil Type	---	Sandy silt
Porosity	cm^3/cm^3	0.40
Effective Porosity	cm^3/cm^3	0.15
Treatment Zone Pore Volume	gals	94,255
Treatment Zone Effective Pore Volume	gals	35,345
Soil Density	g/cm^3	1.67
Hydraulic Conductivity	ft/day	5.0
Hydraulic Gradient	ft/ft	0.005
GW Velocity	ft/yr	61

Pricing - Event 1

Below is the cost estimate to provide the remediation technologies and execute the design provided in this proposal. Please also see the assumptions and qualifications section. **Product bulk discounts are only applied if the full amount is ordered.**

Description (Event 1)	Price	Qty	Subtotal
RegenOx® Part A Hot Spot	$4.51 $3.80 Discount ($) -0.71	3080	$11,704
RegenOx® Part B Hot Spot	$4.51 $3.80 Discount ($) -0.71	1026.67	$3,901.35
RegenOx® Part A Bags (40 lb) Lower Impacts	$4.51 $3.80 Discount ($) -0.71	3240	$12,312 $12,312 Discount (%) -0
RegenOx® Part B Drums (400 lb) Lower Impacts	$4.51 $3.80 Discount ($) -0.71	1620	$6,156
Estimated Shipping and Tax (18%)			+$6,133.20
Total			**$40,206.55**
Total Savings			**$6,366.33**

Pricing - Event 2

Below is the cost estimate to provide the remediation technologies and execute the design provided in this proposal. Please also see the assumptions and qualifications section. **Product bulk discounts are only applied if the full amount is ordered.**

Description (Event 2)	Price	Qty	Subtotal
RegenOx® Part A Hot Spot	$4.51 $3.80 Discount ($) -0.71	3080	$11,704
RegenOx® Part B Hot Spot	$4.51 $3.80 Discount ($) -0.71	1026.67	$3,901.35
RegenOx® Part A Bags (40 lb) Lower Impacts	$4.51 $3.80 Discount ($) -0.71	3240	$12,312 $12,312 Discount (%) -0
RegenOx® Part B Drums (400 lb) Lower Impacts	$4.51 $3.80 Discount ($) -0.71	1620	$6,156
Estimated Shipping and Tax (18%)			+$6,133.20
Total			**$40,206.55**
Total Savings			**$6,366.33**

Pricing - Event 3

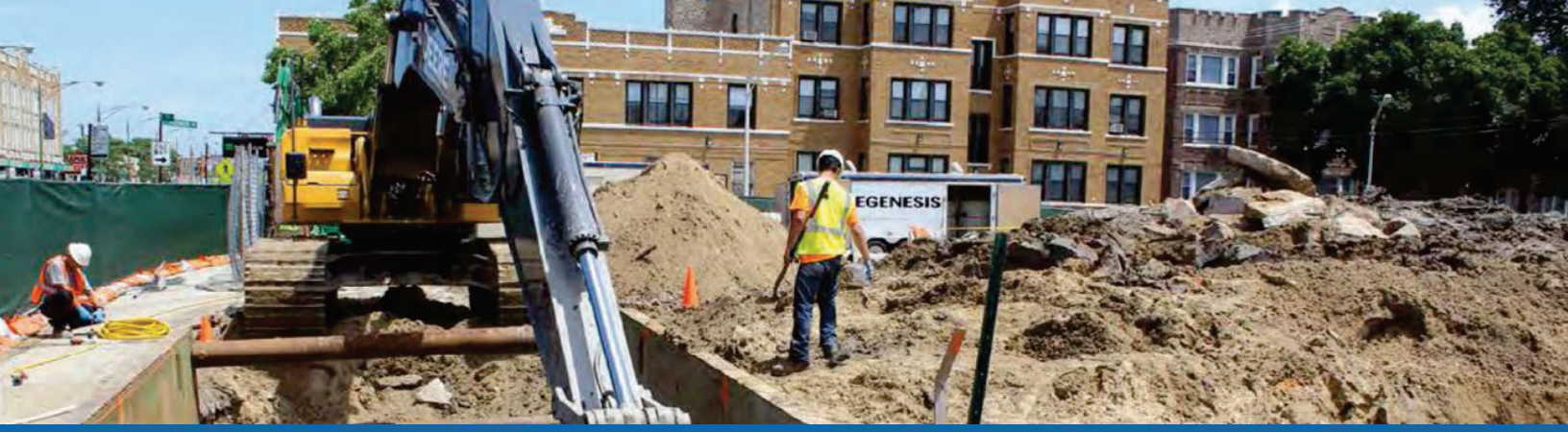
Below is the cost estimate to provide the remediation technologies and execute the design provided in this proposal. Please also see the assumptions and qualifications section. **Product bulk discounts are only applied if the full amount is ordered.**

Description (Event 3)	Price	Qty	Subtotal
RegenOx® Part A Hot Spot	$4.51 $3.80 Discount ($) -0.71	3080	$11,704
RegenOx® Part B Hot Spot	$4.51 $3.80 Discount ($) -0.71	1026.67	$3,901.35
Estimated Shipping and Tax (18%)			+$2,808.96
Total			**$18,414.31**
Total Savings			**$2,915.73**

COST ESTIMATE DISCLAIMER: The cost listed assumes conditions set forth within the proposed scope of work and assumptions and qualifications. Changes to either could impact the final cost of the project. This may include final shipping arrangements, sales tax, or application-related tasks such as product storage and handling, access to water, etc. If items listed need to be modified, please contact REGENESIS for further evaluation.

REGENESIS developed this Scope of Work in reliance upon the data and professional judgments provided by those who completed the earlier environmental site assessment(s), and in reliance upon REGENESIS' prior experience on similar project sites. The fees and charges associated with the Scope of Work were generated through REGENESIS' proprietary formulas and thus may not conform to billing guidelines, constraints, or other limits on fees. REGENESIS does not seek reimbursement directly from any government agency or any governmental reimbursement fund (the "Government"). In any circumstance where REGENESIS may serve as a supplier or subcontractor to an entity that seeks reimbursement from the Government for all or part of the services performed or products provided by REGENESIS, it is the sole responsibility of the entity seeking reimbursement to ensure the Scope of Work and associated charges are in compliance with and acceptable to the Government prior to submission. When serving as a supplier or subcontractor to an entity that seeks reimbursement from Government, REGENESIS does not knowingly present or cause to be presented any claim for payment to the government.

PROFESSIONAL JUDGEMENT: In generating this estimate, REGENESIS relied upon professional judgment and site-specific information provided by others. Using this information as input, we performed calculations based upon the known chemical and geologic relationships to generate an estimate of the mass of product and subsurface placement required to effect the remediation of the site.



Acknowledgement

This scope and associated costs are budgetary and should not be considered final. Listed below are the next steps to secure a final design and cost estimate from REGENESIS.

Steps to Final Design and Scope of Work

1. Signature notifying REGENESIS to proceed with final design.
2. REGENESIS technical team contacts EnviroSouth to review final scope of work and provide detailed design and cost estimate
3. Provide Detailed Remediation Services Scope of Work, if applicable.
4. Confirm Implementation Schedule
5. Submit Detailed Design and Cost Estimate to EnviroSouth for review and final approval

Signature below confirms signee accepts this preliminary scope of work and would like REGENESIS to proceed with a detailed design and cost estimate.

SIGNATURE
William Lyons

Not yet accepted

EnviroSouth | William Lyons, Senior Hydrogeologist

Terms & Conditions

1. **PAYMENT TERMS.** Net 60 Days. Accounts outstanding after 60 days will be assessed 1.5% monthly interest. Volume discount pricing will be rescinded on all accounts outstanding over 90 days. An early payment discount of 1.5% Net 10 is available for cash or check payments only. We accept Master Card, Visa and American Express.
2. **RETURN POLICY.** A 15% re-stocking fee will be charged for all returned goods. All requests to return product must be pre-approved by seller. Returned product must be in original condition and no product will be accepted for return after a period of 90 days.
3. **FORCE MAJEURE.** Seller shall not be liable for delays in delivery or services or failure to manufacture or deliver due to causes beyond its reasonable control, including but not limited to acts of God, acts of buyer, acts of military or civil authorities, fires, strikes, flood, epidemic, war, riot, delays in transportation or car shortages, or inability to obtain necessary labor, materials, components or services through seller's usual and regular sources at usual and regular prices. In any such event Seller may, without notice to buyer, at any time and from time to time, postpone the delivery or service dates under this contract or make partial delivery or performance or cancel all or any portion of this and any other contract with buyer without further liability to buyer. Cancellation of any part of this order shall not affect Seller's right to payment for any product delivered or service performed hereunder.
4. **LIMITED WARRANTY.** Seller warrants the product(s) sold and services provided as specified on face of invoice, solely to buyer. Seller makes no other warranty of any kind respecting the product and services, and expressly DISCLAIMS ALL OTHER WARRANTIES OF WHATEVER KIND RESPECTING THE PRODUCT AND SERVICES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND NON-INFRINGEMENT.
5. **DISCLAIMER.** Where warranties to a person other than buyer may not be disclaimed under law, seller extends to such a person the same warranty seller makes to buyer as set forth herein, subject to all disclaimers, exclusions and limitations of warranties, all limitations of liability and all other provisions set forth in the Terms and Conditions herein. Buyer agrees to transmit a copy of the Terms and Conditions set forth herein to any and all persons to whom buyer sells, or otherwise furnishes the products and/or services provided buyer by seller and buyer agrees to indemnify seller for any liability, loss, costs and attorneys' fees which seller may incur by reason, in whole or in part, of failure by buyer to transmit the Terms and Conditions as provided herein.
6. **LIMITATION OF SELLER'S LIABILITY AND LIMITATION OF BUYER'S REMEDY.** Seller's liability on any claim of any kind, including negligence, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery, resale, repair or use of any goods or performance of any services covered by or furnished hereunder, shall in no case exceed the lesser of (1) the cost of repairing or replacing goods and repeating the services failing to conform to the foregoing warranty or the price of the goods and/or services or part thereof which gives rise to the claim. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, OR FOR DAMAGES IN THE NATURE OF PENALTIES.
7. **INDEMNIFICATION.** Buyer agrees to defend and indemnify seller of and from any and all claims or liabilities asserted against seller in connection with the manufacture, sale, delivery, resale or repair or use of any goods, and performance of any services, covered by or furnished hereunder arising in whole or in part out of or by reason of the failure of buyer, its agents, servants, employees or customers to follow instructions, warnings or recommendations furnished by seller in connection with such goods and services, by reason of the failure of buyer, its agents, servants, employees or customers to comply with all federal, state and local laws applicable to such goods and services, or the use thereof, including the Occupational Safety and Health Act of 1970, or by reason of the negligence or misconduct of buyer, its agents, servants, employees or customers.

8. **EXPENSES OF ENFORCEMENT.** In the event seller undertakes any action to collect amounts due from buyer, or otherwise enforce its rights hereunder, Buyer agrees to pay and reimburse Seller for all such expenses, including, without limitation, all attorneys and collection fees.
9. **TAXES.** Liability for all taxes and import or export duties, imposed by any city, state, federal or other governmental authority, shall be assumed and paid by buyer. Buyer further agrees to defend and indemnify seller against any and all liabilities for such taxes or duties and legal fees or costs incurred by seller in connection therewith.
10. **ASSISTANCE AND ADVICE.** Upon request, seller in its discretion will furnish as an accommodation to buyer such technical advice or assistance as is available in reference to the goods and services. Seller assumes no obligation or liability for the advice or assistance given or results obtained, all such advice or assistance being given and accepted at buyer's risk.
11. **SITE SAFETY.** Buyer shall provide a safe working environment at the site of services and shall comply with all applicable provisions of federal, state, provincial and municipal safety laws, building codes, and safety regulations to prevent accidents or injuries to persons on, about or adjacent to the site.
12. **INDEPENDENT CONTRACTOR.** Seller and Buyer are independent contractors and nothing shall be construed to place them in the relationship of partners, principal and agent, employer/employee or joint ventures. Neither party will have the power or right to bind or obligate the other party except as may be expressly agreed and delegated by other party, nor will it hold itself out as having such authority.
13. **REIMBURSEMENT.** Seller shall provide the products and services in reliance upon the data and professional judgments provided by or on behalf of buyer. The fees and charges associated with the products and services thus may not conform to billing guidelines, constraints or other limits on fees. Seller does not seek reimbursement directly from any government agency or any governmental reimbursement fund (the "Government"). In any circumstance where seller may serve as a supplier or subcontractor to an entity that seeks reimbursement from the Government for all or part of the services performed or products provided by seller, it is the sole responsibility of the buyer or other entity seeking reimbursement to ensure the products and services and associated charges are in compliance with and acceptable to the Government prior to submission. When serving as a supplier or subcontractor to an entity that seeks reimbursement from the Government, seller does not knowingly present or cause to be presented any claim for payment to the Government.
14. **APPLICABLE LAW/JURISDICTION AND VENUE.** The rights and duties of the parties shall be governed by, construed, and enforced in accordance with the laws of the State of California (excluding its conflict of laws rules which would refer to and apply the substantive laws of another jurisdiction). Any suit or proceeding hereunder shall be brought exclusively in state or federal courts located in Orange County, California. Each party consents to the personal jurisdiction of said state and federal courts and waives any objection that such courts are an inconvenient forum.
15. **ENTIRE AGREEMENT.** This agreement constitutes the entire contract between buyer and seller relating to the goods or services identified herein. No modifications hereof shall be binding upon the seller unless in writing and signed by seller's duly authorized representative, and no modification shall be effected by seller's acknowledgment or acceptance of buyer's purchase order forms containing different provisions. Trade usage shall neither be applicable nor relevant to this agreement, nor be used in any manner whatsoever to explain, qualify or supplement any of the provisions hereof. No waiver by either party of default shall be deemed a waiver of any subsequent default.

Detailed Design Table

Project Information		
Westside Quick Stop		
Greenville, South Carolina		
Hot Spot		
Prepared For:		
EnviroSouth, Inc.		
Target Treatment Zone (TTZ) Info	**Unit**	**Value**
Treatment Area	ft^2	900
Top Treatment Depth	ft	21.0
Bottom Treatment Depth	ft	42.0
Vertical Treatment Interval	ft	21.0
Treatment Zone Volume	ft^3	18,900
Treatment Zone Volume	cy	700
Soil Type	---	Sandy silt
Porosity	cm^3/cm^3	0.40
Effective Porosity	cm^3/cm^3	0.15
Treatment Zone Pore Volume	gals	56,553
Treatment Zone Effective Pore Volume	gals	21,207
Soil Density	g/cm^3	1.67
Hydraulic Conductivity	ft/day	5.0
Hydraulic Gradient	ft/ft	0.005
GW Velocity	ft/yr	61
Application Design Summary		
Treatment Area	**ft^2**	**900.0**
Top Treatment Depth	ft bgs	21.0
Bottom Treatment Depth	ft bgs	42.0
Application Method	-	**Direct Push**
Spacing Within Rows	ft	7.0
Spacing Between Rows	ft	7.0
Injection Points (per app.)	-	**18**
Number of Applications	-	**3**
Total RegenOx to be Applied	**lbs**	**12,320**
RegenOx Part A	lbs	9,240
RegenOx Part B	lbs	3,080
RegenOx Part A per Point	lbs	171
RegenOx Part B per Point	lbs	57
RegenOx Part A Solution %	%	6.0%
Volume Water	**gals**	**17,347**
Total Solution Volume	**gals**	**18,128**
Application Volume per Foot	gals	16
Injection Volume per Point	gals	336
Application Dosing		
RegenOx to be Applied	**lbs**	**12,320**
RegenOx Part A to be Applied	**lbs**	**9,240**
RegenOx Part B to be Applied	**lbs**	**3,080**
Prepared By:	**Ian Doliana - Design Specialist**	
Date:	**6/6/2024**	

Detailed Design Table

Project Information		
Westside Quick Stop		
Greenville, South Carolina		
Lower Impacts		
Prepared For:		
EnviroSouth, Inc.		
Target Treatment Zone (TTZ) Info	**Unit**	**Value**
Treatment Area	ft^2	1,500
Top Treatment Depth	ft	21.0
Bottom Treatment Depth	ft	42.0
Vertical Treatment Interval	ft	21.0
Treatment Zone Volume	ft^3	31,500
Treatment Zone Volume	cy	1,167
Soil Type	---	Sandy silt
Porosity	cm^3/cm^3	0.40
Effective Porosity	cm^3/cm^3	0.15
Treatment Zone Pore Volume	gals	94,255
Treatment Zone Effective Pore Volume	gals	35,345
Soil Density	g/cm^3	1.67
Hydraulic Conductivity	ft/day	5.0
Hydraulic Gradient	ft/ft	0.005
GW Velocity	ft/yr	61
Application Design Summary		
Treatment Area	**ft^2**	**1500.0**
Top Treatment Depth	ft bgs	21.0
Bottom Treatment Depth	ft bgs	42.0
Application Method	-	**Direct Push**
Spacing Within Rows	ft	7.0
Spacing Between Rows	ft	7.0
Injection Points (per app.)	-	**31**
Number of Applications	-	**2**
Total RegenOx to be Applied	**lbs**	**9,720**
RegenOx Part A	lbs	6,480
RegenOx Part B	lbs	3,240
RegenOx Part A per Point	lbs	105
RegenOx Part B per Point	lbs	52
RegenOx Part A Solution %	%	3.0%
Volume Water	**gals**	**25,107**
Total Solution Volume	**gals**	**25,767**
Application Volume per Foot	gals	20
Injection Volume per Point	gals	416
Application Dosing		
RegenOx to be Applied	**lbs**	**9,720**
RegenOx Part A to be Applied	**lbs**	**6,480**
RegenOx Part B to be Applied	**lbs**	**3,240**
Prepared By:	**Ian Doliana - Design Specialist**	
Date:	**6/6/2024**	

COST AGREEMENT

TARGETED COMPONENT INVOICE

South Carolina
Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: **Westside Quick Stop**

UST Permit #: 12430 **Cost Agreement #:**

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
C. Survey					
1.1 Comprehensive Survey		each	$1,270.36		$0.00
5. Ground Penetrating Radar Survey (100 x 100)	1	each	$1,111.57		$1,111.57
D. Mob/Demob					
1.1 Equipment	9	each	$1,245.93		$11,213.37
2.1 Personnel	14	each	$516.69		$7,233.66
3.1 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings*					
1. Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)*					
1.1 Standard		per foot	$33.50		$0.00
2.1 Fractured Rock		per foot	$41.40		$0.00
H. Well Abandonment (does not include Field Screening)*					
1.1 2" diameter or less	1419.92	per foot	$3.79		$5,381.50
2.1 Greater than 2" to 6" diameter	244.77	per foot	$5.50		$1,346.24
3.1 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. Well Installation (In accordance with R.61-71)*					
1.1 Water Table (hand augered)		per foot	$31.40		$0.00
2.A Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.1 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.1 Telescoping		per foot	$84.70		$0.00
4.1 Rock Drilling		per foot	$81.80		$0.00
5.1 2" Rock Coring		per foot	$88.50		$0.00
6.1 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.1 Recovery Well (4" diameter)	126	per foot	$69.60		$8,769.60
9.1 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.1 Re-develop Existing Well	563.2	per foot	$13.44		$7,569.41
J. Groundwater Sample Collection / Gauging Depth to Water/Product *					
1.1 Groundwater Purge		per well	$73.29		$0.00
2.1 Air or Vapors		sample	$14.66		$0.00
3.1 Water Supply Sample		sample	$26.87		$0.00
4.1 HydraSleeve		sample	$34.20		$0.00
4.2A No-purge Groundwater Sample/Surface water	4	sample	$57.24		$228.96
5.1 Gauge Well only	24	sample	$8.55		$205.20
6.1 Sample Below Product		sample	$14.66		$0.00

7.1 Passive Diffusion Bag		sample	$31.75		$0.00
8.1 Field Duplicates (MWs & WSWs) and Field Blar	20	sample	$30.06		$601.20
9.1 Groundwater (low flow purge)	112	sample	$111.16		$12,449.92
10.1 Equipment Blank		sample	$30.06		$0.00
11. Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.1 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	148	per sample	$149.02		$22,054.96
2.1 Lead, Filtered		per sample	$16.85		$0.00
3.1 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.1 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.1 PAH's		per sample	$74.02		$0.00
6.1 Lead		per sample	$19.54		$0.00
7.1 EDB by EPA 8011	136	per sample	$55.21		$7,508.56
8.1 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.1 8 RCRA Metals		per sample	$77.45		$0.00
10.1 TPH (9070)		per sample	$50.09		$0.00
11.1 PH		per sample	$6.35		$0.00
12.1 BOD		per sample	$24.42		$0.00
13.1 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.1 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.1 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.1 EDB (504.1)		per sample	$97.11		$0.00
17.1 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.1 BTEX + Naphth.		per sample	$78.18		$0.00
19.1 PAH's		per sample	$78.22		$0.00
20.1 8 RCRA Metals		per sample	$68.89		$0.00
21.1 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.1 TPH- GRO (5035B/8015C)		per sample	$43.92		$0.00
23.1 Grain size/hydrometer		per sample	$127.04		$0.00
24.1 Total Organic Carbon		per sample	$37.38		$0.00
P. Survey*					
1. Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)*					
1.1 Wastewater	468	gallon	$1.19		$556.92
2.1 Free Product		gallon	$1.63		$0.00
3.1 Soil Treatment/Disposal	3	ton	$156.25		$468.75
4.1 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
1. Targeted Corrective Action (see Attached Table)	1	each	$346,691.01		$346,691.01

W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.1 8-hour Event*		per event	$1,787.40		$0.00
2. 24-hour Event*		per event	$4,407.78		$0.00
3. 48-hour Event*		per event	$7,242.29		$0.00
4. 96-hour Event*	7	per event	$14,482.28		$101,375.96
5. Off-gas Treatment 8 hour		per event	$141.17		$0.00
6.1 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.1 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8. Off-gas Treatment 96 hour	7	per event	$898.84		$6,291.88
9. Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00
10. Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11. Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12. Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.1 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.1 AFVR Site Reconnaissance	1	each	$302.40		$302.40
15. Additional Hook-ups		each	$29.68		$0.00
16.1 AFVR Effluent Disposal	60000	gallon	$0.53		$31,800.00
17.1 AFVR Mobilization/Demobilization	7	each	$777.60		$5,443.20
Z. High Resolution Site Characterization					
1. HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2. HRSC Drilling Category 1		per foot	$31.32		$0.00
3. HRSC Drilling Category 2		per foot	$36.18		$0.00
4. HRSC Drilling Category 3		per foot	$29.16		$0.00
5. HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	$578,604.26		$69,432.51
TOTAL					$648,036.77

ITEM								
R. Miscellaneous (attach receipts)				QUANTITY	UNIT	UNIT PRICE		TOTAL
Corrective Action Plan				1	each	$10,000.00		$10,000.00
I. Injection								
Injectate					per event			$0.00
Injection Services					per event			$0.00
Secondary Parameter Analysis					each			$0.00
II. Enhanced AFVR								$0.00
Injectate - Events 1 and 2				1	each	$40,206.55		$40,206.55
Injectate - Events 3 and 4				1	each	$40,206.55		$40,206.55
Injectate - Event 5				1	each	$18,414.31		$18,414.31
Injection Services and Equipment - Events 1 and				1	each	$96,000.00		$96,000.00
Injection Services and Equipment - Events 3 and				1	each	$96,000.00		$96,000.00
Injection Event 5				1	each	$36,000.00		$36,000.00
Expendable Supplies and Tooling - Events 1 and				2	per event	$1,972.72		$3,945.44
Expendable Supplies and Tooling - Events 3 and				2	per event	$1,972.72		$3,945.44
Expendable Supplies and Tooling - Event 5				1	per event	$1,972.72		$1,972.72
III. Excavation					ton			$0.00
Excavation Equipment and Operator					each			$0.00
Backfill Material					ton			$0.00
Backfill Additive					ton			$0.00
Proctor/Compaction Testing					per event			$0.00
Sheet Piling					per event			$0.00
Dewatering Equipment					per event			$0.00
Excavation Security/Fencing					per event			$0.00
TOTAL								$346,691.01

REMEDIATION CHECKLISTS

Chemical Oxidation

UST Permit #: 12430 Release #: 1 and 2

Do not proceed unless the full extent of the contamination for the release has been delineated.

Do not proceed unless you have obtained a UIC permit from the Bureau of Water Underground Injection Control Program authorizing injection of materials into the subsurface.

What chemical oxidant are you using?
If using a chemical oxidant that does not appear in the below list, additional documentation will be required.

- ☐ Hydrogen peroxide
- ☐ Ozone
- ☐ Persulfate
- ☐ Fenton's reagent
- ☐ Permanganate
- ☑ Percarbonate

Please list additional chemicals that may be used to activate the chemical oxidant.

Sodium Silicate and Ferrous Sulfate

I. Applicability Determination (Initial Screening)	Effective	Somewhat Effective	Ineffective
1. Provide a general description of the **intrinsic permeability (k)*** of soils in the area of remediation measured in cm^2. ☐ Based on soil type ☑ Calculated ☐ Field/lab test *Stratified soils may require special consideration in design to ensure less-permeable stratum are addressed. This will require documentation.*	☐ $k \geq 1x10^{-8}$	☒ $1x10^{-8} \geq k \geq 1x10^{-10}$	☐ $k < 1x10^{-10}$
2. Is the treatment zone area soils homogenous (i.e. no stratified soils)?	☒ YES		☐ NO
3. Have all recoverable volumes of free product been removed from the treatment area? Enhanced AFVR is planned for free-phase product removal. *Do not proceed with chemical oxidation if recoverable volumes of free product are present in the treatment area.*	☐ YES		☒ NO
4. Does the site exhibit any geology that may adversely react with the proposed oxidant (e.g. carbonates)? *If yes, Fenton's Reagent may not be used.*	☐ YES		☒ NO
5. Has it been confirmed that active utilities and/or UST system components are not located in the immediate treatment area? RegenOx is made to be safe for utilities and active UST systems.	☒ YES		☐ NO
6. Have samples been collected at the site to determine the natural oxidant demand of the site? *Chemical oxidants may preferentially react with naturally occurring organic soils and/or certain metals thus reducing the amount of oxidant available to react with contaminants.*	☒ YES		☐ NO

* Intrinsic permeability is a measure of the ability of soils to transmit fluids and is an important factor in determining the effectiveness of chemical oxidation.

Chemical Oxidation

I. Applicability Determination (Initial Screening)	Effective	Somewhat effective	Ineffective
7. Is the soil profile determined from boring logs generally free of natural organic material (e.g., layers of peat or humic material)?	☒ YES		☐ NO
8. Is the soil temperature expected to be 10°C or higher during remediation?	☒ YES		☐ NO
9. Is the pH of site groundwater between 5 and 9?	☒ YES		☐ NO
10. Is the dissolved iron concentration in the site groundwater < 10 mg/L?	☒ YES		☐ NO
II.a Oxidation Design			
1. What is the radius of influence of the proposed injection points/wells? *Must be identified by showing the ROI on a site diagram.*	☐ > 25 ft.	☒ > 5 ft. but ≤ 25 ft.	☐ < 5 ft.
2. Are the density and configuration of the injection points/wells adequate to uniformly disperse the treatment chemicals through the target treatment zone, given site geology and hydrologic conditions?	☒ YES		☐ NO
3. Is the capacity of the chemical oxidation treatment system sufficient to generate and deliver oxygen at the required design rate?	☒ YES		☐ NO
4. Are monitoring wells adequately distributed between oxygen delivery locations to collect groundwater to evaluate the performance of the chemical oxidation system?	☒ YES		☐ NO

II.b Oxidation Design

1. How will the oxidant be introduced into the treatment area? (*select all that apply*)

   ☑ Direct push technology ☐ Injection wells

   ☐ Existing monitoring wells ☐ Other (specify): _____

2. Estimate the treatment area (length x width x depth) in square feet. 2,400 square feet

   Length: 60 feet

   Width: 40 feet

   Depth: 21 to 42 feet

Chemical Oxidation

II.b Oxidation Design (continued)

3. How many injection points will be used? 116

4. Will any injections be performed at multiple depths?

   ☑ Yes ☐ No

   If yes, which injection point(s) and what are the depths of injections?

   All injection points are planned to be used for depth of 21 feet to 42 feet below ground surface.

5. What is the injection approach?

   ☐ Single point ☐ Circular ☑ Multi point ☐ Random

   ☐ Other (describe):

   Both the "Hot Spot" and "Lower Impact" injection points will be installed in a grid like pattern of 7 feet by 7 feet. Additional injection events in the "Hot Spot" zone will be offset by 2.5 feet for each injection. The second "Lower Impact" area injection event will be offset by 3.5 feet

6. If utilizing wells for injection, what will be the screen interval? Not Applicable

7. What is the calculated mass (in lbs.) of contaminants requiring biodegradation? 131 lb of groundwater and 380 lbs of soil

8. What is the mass (in lbs.) of dissolved oxygen required to biodegrade the contaminants? Not Applicalbe

III. Sampling

1. What is the estimate of time to achieve cleanup of the site? 6 months

Sampling of dissolved oxygen, redox potential, and pH should be performed on at least a monthly basis to evaluate the effectiveness of chemical oxidant treatment.

Existing monitoring wells may not be utilized for the purpose of injection. ***Note** : It is preferred that a minimum of 1 month must pass between injection and compliance sampling and/or additional sampling may be required.*

List the monitoring and analytical parameters that will be sampled quarterly as part of the CAP monitoring report.

Use the CAP Analytical Attachment Sheet.

Example

Well Name	Substance(s)
MW - 1	BTEX, MTBE
MW - 3	BTEX, MTBE

Chemical Oxidation

IV. Sitemap
Attach a site map to this document Site map(s) drawn to scale illustrating the following: a. Location of all present and former tanks, piping and dispensers in area of release; b. Footprint of surface and/or subsurface soil contamination; c. Footprint of other structures (buildings, canopies, roads, utilities, etc..); d. Location of injection points/wells; e. Monitoring wells that will be used for sampling; f. Groundwater flow direction; g. North arrow, bar scale, and map legend

CAP Analytical Parameters Attachment

Well/Sample Location	Parameters to be Monitored
MW-1	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-2	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-3	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-4	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-4i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-5	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-6	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-7	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-8	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-9	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-10	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-11	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-12	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-12i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-14	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-14i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-15	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-15i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-16	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-16i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-17	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-17i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-18	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-18i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-20	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-21	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-22	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-22i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-24	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-25	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-26	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-26i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-27	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-27i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-28	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-X	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-XR	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane

Comments
Recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 will only be gauged for the presence of free-phase product.

Aggressive Fluid Vapor Recovery

UST Permit #: 12430 Release #: 1 and 2

Do not proceed unless the full extent of the contamination for the release has been delineated.

I. Applicability Determination (Initial Screening)	Effective	Somewhat Effective	Ineffective
1. Provide a general description of the **intrinsic permeability (k)*** of soils in the area of remediation measured in cm^2. ☐ Based on soil type ☑ Calculated ☐ Field/lab test *Stratified soils may require special consideration in design to ensure less-permeable stratum are addressed. This should be documented*	☐ $k \geq 1x10^{-8}$	☑ $1x10^{-8} \geq k \geq 1x10^{-11}$	☐ $k < 1x10^{-11}$
2. What is the general boiling point range in °C for chemicals subject to remediation at this site? *For complex mixtures, select the boiling point range that is most representative of the chemicals of concern to be remediated by using this remedy.*	☑ < 250	☐ ≥ 250 - ≤ 300	☐ ≥ 300
3. What is the depth to groundwater in feet based on the shallowest well in area where remediation is being performed? *If water-table elevation fluctuate significantly, special design provisions should be made to accommodate them.*	☑ > 10	☐ ≥ 3 - ≤ 10	☐ < 3
4. What is the vapor pressure range in mm of the chemicals being remediated? *For complex mixtures, select the vapor pressure range that is most representative of the chemicals of concern to be remediated by using this remedy.*	☑ ≥ 1	☐ > 0.5 - < 1.0	☐ < 0.5
5. What is the Henry's law constant** (atm) for the chemicals being remediated? *For complex mixtures, select the Henry's law constant range that is most representative of the chemicals of concern to be remediated by using this remedy.*	☑ > 150	☐ ≥ 100 - < 150	☐ < 100
II. Aggressive Fluid Vapor Recovery System Design			
1. What is the radius of influence (ROI) in feet for the proposed extraction wells? *The wells must be identified by showing the ROI on a site diagram.*	☐ > 20	☑ > 5 - ≤ 20	☐ < 5
2. Has the radius of influence (ROI) been calculated for each soil type at the site? *For more complex sites with multiple treatment depth intervals and/or the need for multiple extraction wells, subsurface airflow modeling must be conducted to determine well placement.*	☑ YES		☐ NO
3. Is the proposed well density appropriate, given the total area to be cleaned up and the radius of each well?	☑ YES		☐ NO

** Intrinsic permeability is a measure of the ability of soils to transmit fluids and is the single most important factor in determining the effectiveness of AFVR.*

*** Here is a link to an EPA website with common Henry's Law Constant for various chemicals. Choose Hpx (partial pressure/mole fraction)*
https://www3.epa.gov/ceampubl/learn2model/part-two/onsite/esthenry.html

Aggressive Fluid Vapor Recovery

II. Aggressive Fluid Vapor Recovery System Design (continued)

4. Describe the system.

   ☑ Single pump system ☐ Dual pump system

   Identify and number the wells (on the site map) to be utilized for the AFVR.

5. What is the proposed extraction time period for each well? 96-Hour

6. How many extractions are planned? 7

7. What is the planned frequency of extractions?

   ☐ Once ☐ Weekly ☑ Monthly ☐ Quarterly for _____ quarters

   ☐ Other (specify): _____

What is the estimate of time to achieve cleanup of the site with the anticipated extraction flow rates?

180 days

III. Evaluation of Operation and Maintenance

For information pertaining to monitoring and operation, please refer to the current revision of the UST Quality Assurance Programmatic Plan. Information should be provided in the Corrective Action System Evaluation Reports. Additional information may be provided regarding system monitoring and operation as deemed necessary to demonstrate effectiveness.

List the monitoring and analytical parameters that are proposed for any verification sampling. *Use CAP Analytical Parameters Attachment*

Example	
Well Name	Substances
MW-1	BTEX, MTBE
MW-3	BTEX. MTBE

IV. Site Map

Site map(s) drawn to scale illustrating the following:

a. Location of all present and former tanks, piping and dispensers in area of release;
b. Footprint of surface and/or subsurface soil contamination;
c. Footprint of other structures (buildings, canopies, roads, utilities, etc..);
d. Location of treatment system;
e. Location of extraction wells;
f. Location of monitoring wells that will be used for sampling;
g. Groundwater flow direction;
h. North arrow, bar scale, and map legend

CAP Analytical Parameters Attachment

Well/Sample Location	Parameters to be Monitored
MW-1	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-2	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-3	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-4	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-4I	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-5	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-6	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-7	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-8	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-9	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-10	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-11	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-12	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-12i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-14	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-14i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-15	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-15i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-16	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-16i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-17	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-17i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-18	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-18i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-20	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-21	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-22	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-22i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-24	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-25	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-26	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-26i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-27	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-27i	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-28	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-X	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane
MW-XR	Benzene, Toluene, Ethylbenzene, Xylenes, Methyl-Tert-Butyl Ether, Naphthalene, 1,2-dichloroethane, oxygenates, and 1,2-dibromoethane

Comments
Recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 will only be gauged for the presence of free -phase product.

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

STRATEGY TO CLOSURE PROPOSAL:

WESTSIDE QUICK STOP, 12430, Release #1 reported on 6/7/2012, Release #2 reported on 10/23/2012:

The UST Site Rehabilitation Contractor, on behalf of the owner/operator for the above reference release, proposes the work specified below to achieve Site-Specific Target Levels for the release and to achieve a Conditional No Further Action Determination.

I certify that this company:

- [x] Has reviewed the technical file for the release and understands the nature of the release(s) and the geologic conditions at the site as documented in the technical file. Any quantities listed below are estimates and changes to those quantities or to the listed method(s) will be further detailed in a Corrective Action Plan submitted to SCDES.

- [x] Has conducted a site visit and understands the physical layout of the property, the location(s) of any identified receptors, and any limitations that may exist on or off property as it may relate to the possible implementation of any proposed corrective action strategy.

EnviroSouth Inc.
UST Site Rehabilitation Contractor (Print)

257
UST Site Rehabilitation Contractor Certification #

William H. Lyons
Registered Professional Name (Print)

Registered Professional Signature (required)

P.G. [x] P.E. [ ] (Check appropriate box)

Professional Certification # 2705

I (the UST tank owner) certify that I:

- Have discussed the proposed strategy with the UST Site Rehabilitation Contractor and agree with the proposal as put forth.

- Understand that costs up to $1 million SUPERB combined coverage may be utilized, and the UST Management Division reserves the right to set aside funds for the purpose of verifying achievement of remedial goals and understands that costs in excess of the $1 million combined SUPERB coverage are my responsibility as the UST owner.

In addition, I (the UST tank owner) understand that a meeting (in person or virtual) will be scheduled between the UST Management Division, my selected contractor, and myself to discuss the proposed Strategy to Closure. (Please check one of the options below)

☐ I will be present during the meeting to participate in the discussion.

☑ I will not be present during the meeting to participate in the discussion. I consent to allowing my selected contractor to make any decisions necessary regarding the remedial design, including associated costs, on my behalf.

ANKUR PATEL
UST Owner (Print)

UST Owner Signature

State of South Carolina County of Laurens

Signed before me on 8/13/24 (date) by Ankur Patel Name of Person

My Commission Expires On September 1st, 2027

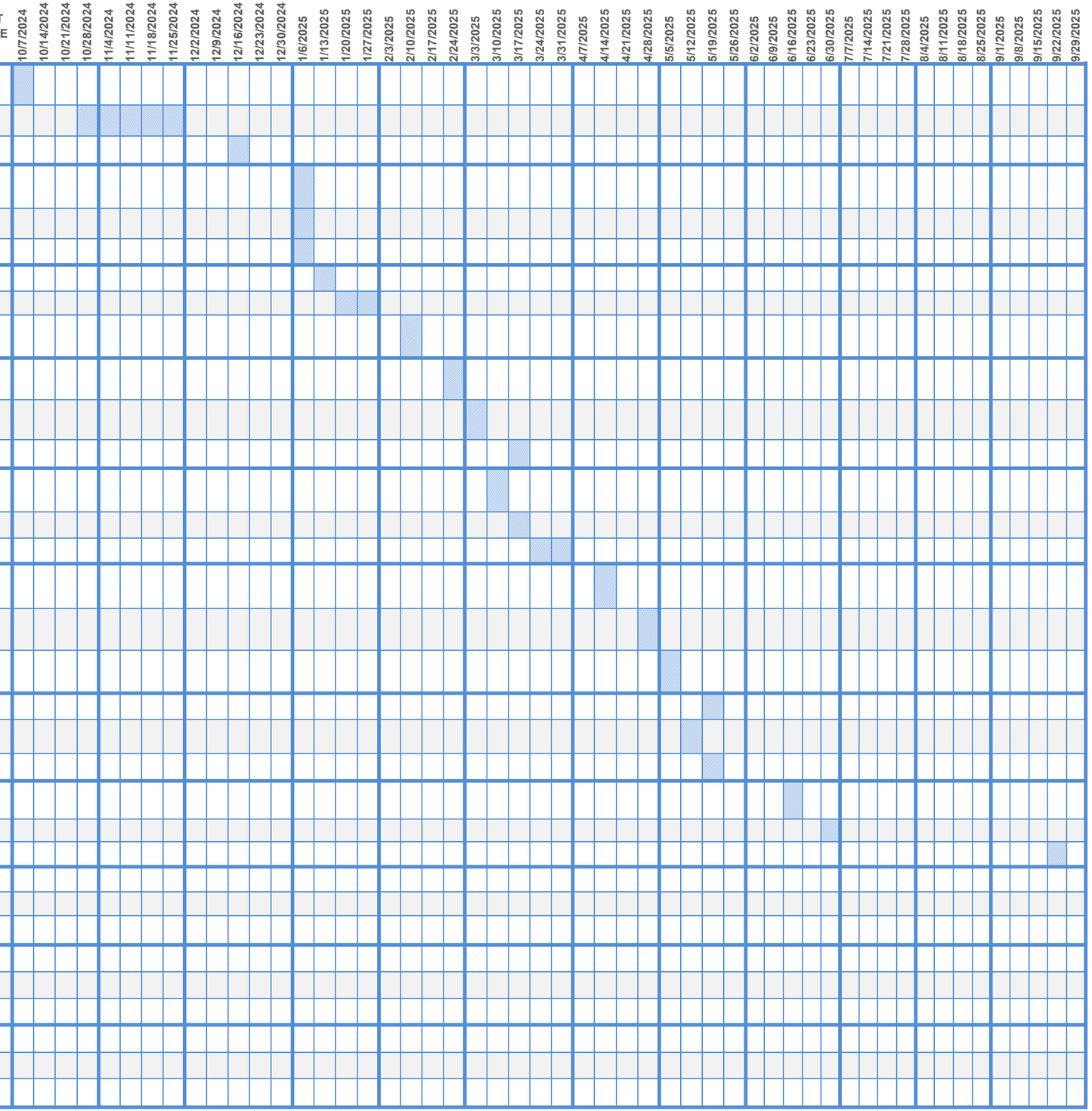
Notary Seal/Stamp Above

KAYLA SWINK
MY COMMISSION EXPIRES SEPTEMBER 1, 2027
NOTARY PUBLIC
SOUTH CAROLINA

WESTSIDE QUICK STOP CORRECTIVE ACTION SCHEDULE

Actual Start | % Complete | Actual (beyond plan) | % Complete (beyond plan)

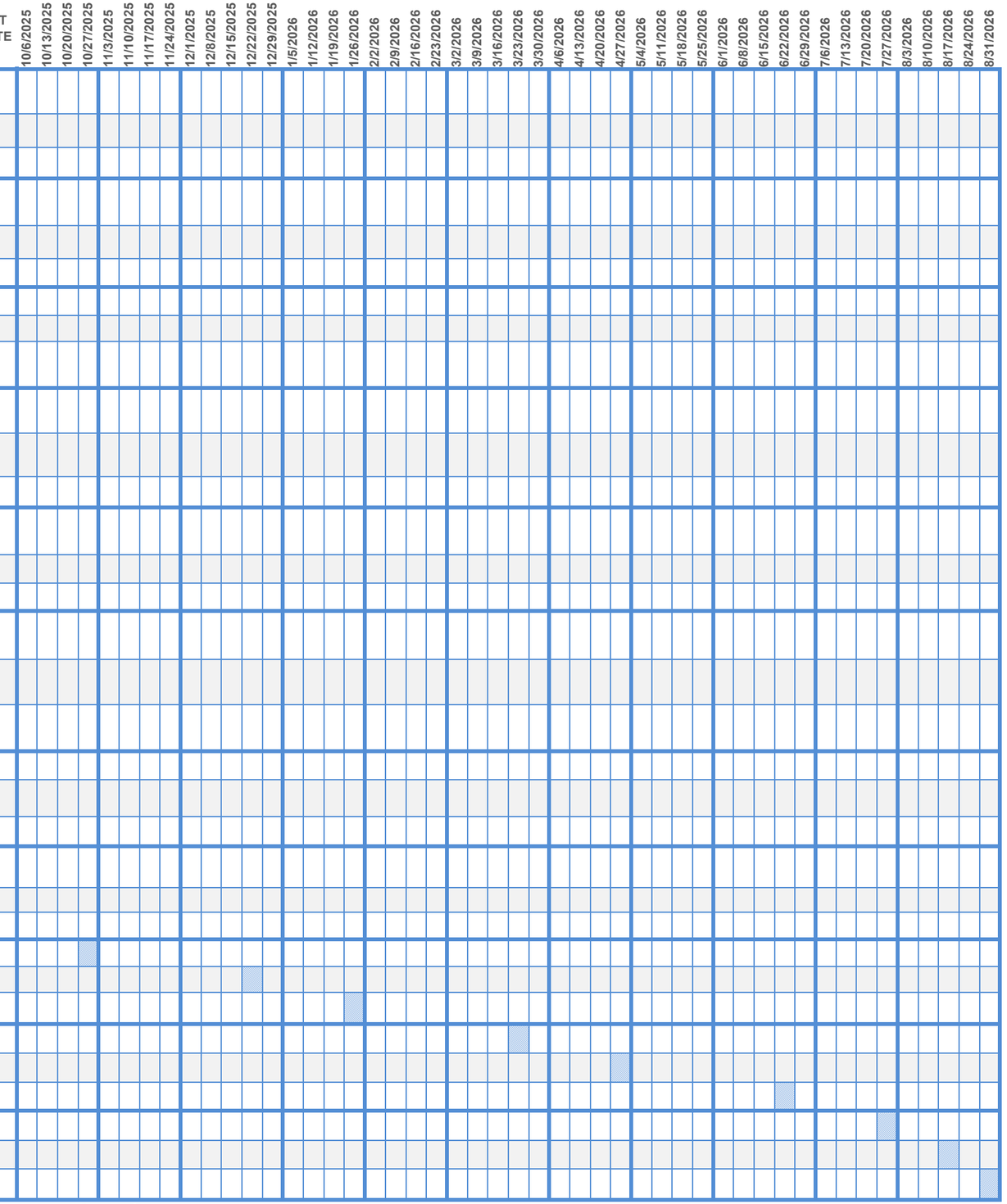
ACTIVITY	PLAN START (DATE)	PLAN DURATION (DAYS)	ACTUAL START (DATE)	ACTUAL DURATION (DAYS)	PERCENT COMPLETE
Corrective Action Plan and Underground Injection Control Permit Application Submittal	10/7/2024	7			100%
Public Notice	10/28/2024	30			0%
CAP and UIC Approval	12/16/2024	7			0%
Order, Receive, and Store Chemicals for 1st "Hot Spot" and "Lower Impact" Injection Events	1/6/2025	7			0%
Ground Penetrating Radar Survey	1/6/2025	1			0%
Install Additional Recovery Wells	1/6/2025	2			0%
"Hot Spot" 1st Injection Event	1/13/2025	5			0%
"Lower Impact" 1st Injection Event	1/20/2025	8			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Hot Spot" Wells RW-1, RW-2, and MW-24	2/10/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Lower Impact" Wells MW-1, RW-5, and RW-6	2/24/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Lower Impact" Wells MW-2, RW-3, and RW-6	3/3/2025	4			0%
Report and Invoice #1	3/17/2025	2			0%
Order, Receive, and Store Chemicals for 2nd "Hot Spot" and "Lower Impact" Injection Events	3/10/2025	7			0%
"Hot Spot" 2nd Injection Event	3/17/2025	5			0%
"Lower Impact" 2nd Injection Event	3/24/2025	8			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Hot Spot" Wells RW-1, RW-2, and MW-24	4/14/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Lower Impact" Wells MW-1, RW-5, and RW-6	4/28/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Lower Impact" Wells MW-2, RW-3, and RW-6	5/5/2025	4			0%
Report and Invoice #2	5/19/2025	2			0%
Order, Received and Store Chemicals for 3rd "Hot Spot" Injection Event	5/12/2025	7			0%
"Hot Spot" 3rd Injection Event	5/19/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Hot Spot" Wells RW-1, RW-2, and MW-24	6/16/2025	4			0%
Report and Invoice #3	6/30/2025	2			0%
1st Quarter Limited Sampling Event	9/22/2025	2			0%
Report and Invoice 1st Limited Sampling Event	10/27/2025	1			0%
2nd Quarter Limited Sampling Event	12/22/2025	2			0%
Report and Invoice 2nd Limited Sampling Event	1/26/2026	1			0%
3rd Quarter Comprehensive Sampling Event	3/23/2026	4			0%
Report and Invoice 1st Comprehensive Sampling Event	4/27/2026	1			0%
4th Quarter Comprehensive Sampling Event	6/22/2026	4			0%
Report and Invoice 2nd Comprehensive Sampling Event	7/27/2026	1			0%
Abandon All Monitoring and Recovery Wells at the Site	8/17/2026	4			0%
Report and Invoice Abandonment	8/31/2026	1			0%



WESTSIDE QUICK STOP CORRECTIVE ACTION SCHEDULE

Actual Start | % Complete | Actual (beyond plan) | % Complete (beyond plan)

ACTIVITY	PLAN START (DATE)	PLAN DURATION (DAYS)	ACTUAL START (DATE)	ACTUAL DURATION (DAYS)	PERCENT COMPLETE
Corrective Action Plan and Underground Injection Control Permit Application Submittal	10/7/2024	7			100%
Public Notice	10/28/2024	30			0%
CAP and UIC Approval	12/16/2024	7			0%
Order, Receive, and Store Chemicals for 1st "Hot Spot" and "Lower Impact" Injection Events	1/6/2025	7			0%
Ground Penetrating Radar Survey	1/6/2025	1			0%
Install Additional Recovery Wells	1/6/2025	2			0%
"Hot Spot" 1st Injection Event	1/13/2025	5			0%
"Lower Impact" 1st Injection Event	1/20/2025	8			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Hot Spot" Wells RW-1, RW-2, and MW-24	2/10/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Lower Impact" Wells MW-1, RW-5, and RW-6	2/24/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Lower Impact" Wells MW-2, RW-3, and RW-6	3/3/2025	4			0%
Report and Invoice #1	3/17/2025	2			0%
Order, Receive, and Store Chemicals for 2nd "Hot Spot" and "Lower Impact" Injection Events	3/10/2025	7			0%
"Hot Spot" 2nd Injection Event	3/17/2025	5			0%
"Lower Impact" 2nd Injection Event	3/24/2025	8			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Hot Spot" Wells RW-1, RW-2, and MW-24	4/14/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Lower Impact" Wells MW-1, RW-5, and RW-6	4/28/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Lower Impact" Wells MW-2, RW-3, and RW-6	5/5/2025	4			0%
Report and Invoice #2	5/19/2025	2			0%
Order, Received and Store Chemicals for 3rd "Hot Spot" Injection Event	5/12/2025	7			0%
"Hot Spot" 3rd Injection Event	5/19/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event utilizing "Hot Spot" Wells RW-1, RW-2, and MW-24	6/16/2025	4			0%
Report and Invoice #3	6/30/2025	2			0%
1st Quarter Limited Sampling Event	9/22/2025	2			0%
Report and Invoice 1st Limited Sampling Event	10/27/2025	1			0%
2nd Quarter Limited Sampling Event	12/22/2025	2			0%
Report and Invoice 2nd Limited Sampling Event	1/26/2026	1			0%
3rd Quarter Comprehensive Sampling Event	3/23/2026	4			0%
Report and Invoice 1st Comprehensive Sampling Event	4/27/2026	1			0%
4th Quarter Comprehensive Sampling Event	6/22/2026	4			0%
Report and Invoice 2nd Comprehensive Sampling Event	7/27/2026	1			0%
Abandon All Monitoring and Recovery Wells at the Site	8/17/2026	4			0%
Report and Invoice Abandonment	8/31/2026	1			0%



SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC, 29201

SHREE GAJVAKRA LLC
205 FAIRWAY DR
LAURENS SC 29360

OCT 11 2024

UST DOCKETING 79

Re: **Enhanced Aggressive Fluid and Vapor Recovery Corrective Action Plan Request**
Westside Quick Stop, 821 W Parker Rd, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
AFVR & Groundwater Sampling Report received December 12, 2023
Strategy to Closure received September 23, 2024
Strategy to Closure meeting on August 22, 2024
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Environmental Services (SCDES) has reviewed the referenced report submitted by your contractor. The report documents petroleum chemicals in the groundwater above Risk-Based Screening Levels and established Site-Specific Target Levels (SSTLs). As recommended by your contractor, the next appropriate scope of work is the development of a Corrective Action Plan for subsurface chemical injections in conjunction with an Aggressive Fluid Vapor Recovery (AFVR) event.

Under state and federal regulations, as the underground storage tank (UST) owner/operator at the time of the referenced release, you are ultimately responsible for cleanup actions taken in response to this release. Pursuant to S.C. Code Ann. Section 44-2-40(D), funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Site Rehabilitation Fund Account and SUPERB Financial Responsibility Fund provide combined coverage for site rehabilitation activities and third party claims not to exceed one million dollars. The maximum allowable corrective action cost SCDES can establish is dependent on the remaining SUPERB Account balance for the individual release. According to UST Division records, approximately $231,851.45 has been expended from the SUPERB Account to date.

In accordance with South Carolina Underground Storage Tank Control Regulations (USTCR R.61-92 § 208.66) SCDES is requesting the submission of a CAP for subsurface chemical injections in conjunction with an Aggressive Fluid Vapor Recovery (AFVR) event, as recommended by your contractor. **The CAP should be submitted within 45 days of this correspondence**. The CAP must be completed in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP) and all applicable regulations. The QAPP is available at scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance.

The CAP must define the methods, injectates, anticipated number of injection/extraction/recovery wells, injection/extraction/recovery locations and construction details, injectate volumes, well abandonment methods, and safety protocols that will address the Area of Concern. The injection and recovery methods and technologies should be designed to prevent vapors from entering onsite or adjacent structures. It must be shown, by use of scientific models, computations, or discussion, how Chemicals of Concern concentrations will be reduced by each method and technology proposed. Any assumptions used in a model will be listed or shown, as well as appropriate references.

Note that the use of monitoring wells for injection and/or recovery purposes is not allowed. Accordingly, the CAP may propose installation of additional injection/extraction and recovery wells. General construction details must be included (e.g., install four additional recovery wells, construct a compliance point etc.) as well as details of well abandonment and component removal. In accordance with the SC Well Standards and Regulations R.61-71, all temporary injection points are to be abandoned within 5 days of borehole completion. Abandonment activities should be done in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP) and all applicable regulations. A corrective action timetable must be provided in the CAP.

The contractor must ensure that access to the area being treated is restricted to anyone not involved in the project. All individuals working with the injectates must be familiar with the applicable MS/DS information (available from the manufacturer). Further, the Contractor must consider and comply with the manufacturer's instructions for the Safe Handling, Use, and Storage of the injectates.

A description of secondary parameters, such as nitrate, Oxidation Reduction Potential (ORP), sulfate, ferrous iron, dissolved oxygen, etc. to be used to evaluate the suitability of the product and its effectiveness. These measurements shall be documented in the Reports.
The UST Management Division will review the CAP and initiate a public notice period in accordance with R.61-92 and the UST QAPP. The contractor should consult you and any other affected property owners for approval of the location where injections are to be performed.

Your contractor must complete and submit all applications for permits (injection, NPDES, BAQC modeling form, etc.) with the CAP to the appropriate SCDES program area. All submitted applications must comply with the requirements of the respective permitting program. Any required permit changes or corrections should be submitted within 15 days of notification by SCDES.

After the CAP and all permit applications are reviewed and approved, the UST Management Division will issue a notice to proceed with CAP implementation. **Implementation of the CAP is not authorized until the contractor receives a notice to proceed from the UST Management Division.**

The contractor must, at all times, keep the site free from waste materials and rubbish related to the corrective action. All contaminated soil and construction debris, contaminated water, and FP generated on-site will be removed from the site promptly. Manifests documenting the proper disposal of the contaminated soil, construction debris, contaminated water, and FP must be included in the appropriate report.

All site rehabilitation activities associated with the UST releases must be performed by a SCDES Certified Class I UST Site Rehabilitation Contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98. Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied.

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0631, by fax at (803) 898-0673, or by email at Adam.Looper@des.sc.gov.

Sincerely,

Adam Looper, P.G.
Hydrogeologist

enc: Table with Site-Specific Target Levels

cc: EnviroSouth, Inc., 3440 Augusta Rd, Greenville, SC 29605 (w/ enc.)
Westside Quick Shop, Inc., c/o Shree Gajvakra LLC, 809 W Parker Rd, Greenville, SC 29611 (w/o enc.)
Quincy Hoffer, UST Management Division (w/o enc.)
Technical File

Facility Name: Westside Quick Stop

Greenville County UST Permit #12430

Groundwater SSTLs

	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	Naphthalene	1,2-DCA	EDB	TAA	DIPE
MW-1	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-2	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-4	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-12	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-12i	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-20	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-21	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-21i	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-23	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-23i	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-24	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-25	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-26	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-X	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000
MW-XR	44390	26540	3700	21680	173000	6700	3700	1900	35900000	2670000

ENVIROSOUTH
Environmental Consultants

UST DOCKETING 80 fuel

December 20, 2024

Mr. Adam Looper
SCDES
UST Management Division
2600 Bull Street
Columbia, South Carolina 29201

RECEIVED
JAN 16 2025
UST DIVISION

Re: Corrective Action Plan
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES UST ID #12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

On behalf of Shree Gajvakra, LLC, EnviroSouth, Inc. is pleased to submit the attached Corrective Action Plan for the above-referenced facility in Greenville, South Carolina.

If you have any questions concerning our submittal, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

cc: Ankur Patel, Shree Gajvakra, LLC

ENVIROSOUTH
Environmental Consultants

December 20, 2024

Mr. Adam Looper
SCDES
UST Management Division
2600 Bull Street
Columbia, South Carolina 29201

Re: Corrective Action Plan
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES UST ID #12430
EnviroSouth Job No. 3570

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Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

cc: Ankur Patel, Shree Gajvakra, LLC

Prepared for:

Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

CORRECTIVE ACTION PLAN

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

Job No. 3570
SCDES UST ID #12430

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

UST Contractor #257

December 20, 2024

A report prepared for:

Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

CORRECTIVE ACTION PLAN
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

EnviroSouth Job No. 3570
SCDHEC UST Permit No. 12430

Prepared by:

William H. Lyons, P.G.
Senior Hydrogeologist
S.C. Registration No. 2705

Reviewed by:

Keigan K. Mennetti, P.E.
Environmental Engineer
S.C. License No. 40996

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605
864-236-9010

UST Contractor #257

December 20, 2024

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Equipment Deactivation 6
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APPENDICES

FIGURES

REGENESIS TECHNICAL DESIGN

REGENOX PART A SAFETY DATA SHEET

REGENOX PART B SAFETY DATA SHEET

REAGENT SPECIFICATION SHEET

MEMO FROM STATE TOXICOLOGIST

TAX PARCEL INFORMATION

HEALTH AND SAFETY PLAN

GANTT SCHEDULE

COST AGREEMENT

INTRODUCTION

EnviroSouth, Inc. has completed this Corrective Action Plan (CAP) for the Westside Quick Stop facility as requested by the South Carolina Department of Environmental Services (SCDES) in a letter dated October 11, 2024. This document outlines the plan for targeted-scope corrective action to achieve regulatory closure for release #1 and release #2 at the Westside Quick Stop facility.

The Westside Quick Stop facility is located at 821 W. Parker Road, in the city of Greenville, Greenville County, South Carolina at the location displayed on Figure 1. The facility is located in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road with W. Blue Ridge Drive. The site is an active gasoline station that maintains four (4) regulated underground storage tanks (USTs) and associated piping and dispensers. The site has two (2) documented and open petroleum UST releases. Release #1 was reported in June 2012 and release #2 was reported in October 2012. Both releases are the subject of this targeted scope corrective action. An unnamed tributary of Long Branch is also located approximately 500 feet to the southeast of the site.

SUMMARY OF ASSESSMENT

An Initial Groundwater Assessment (IGWA), Tier I Assessment, and an initial Tier II Assessment were completed in response to these two (2) releases. As a result of the presence of free-phase gasoline in groundwater monitoring well MW-1 during a May 2016 groundwater gauging event conducted by the South Carolina Department of Environmental Services (SCDES; formerly known as the SCDHEC), an additional Tier II Assessment and two 96-hour Aggressive Fluid Vapor Recovery/Mobile Multi-Phase Extraction (AFVR/MMPE) events were completed at the site in early 2017. Additional 96-hour AFVR/MMPE events were completed at the site in May 2018, January 2020, February 2021, March 2021, February 2022, and March 2022. Four (4) additional 96-hour AFVR/MMPE events and a comprehensive groundwater sampling event were performed between September 2023 to October 2023. A Comprehensive Groundwater Monitoring report detailing these field activities was submitted in December 2023.

After completing twelve (12) 96-hour AFVR events (as detailed above), widespread free-phase product remains at thicknesses up to 1.14 feet (November 2023).

While product thickness reductions have been observed, these releases cannot be closed until product thicknesses are reduced to less than 0.01 feet and dissolved contaminant concentrations are below site-

specific target levels (SSTLs). Based on the persistence of free-phase product, it has become evident that an alternative, more aggressive, approach to reach closure is needed. Therefore, the SCDES calculated SSTLs and requested a Strategy to Closure in a letter dated July 19, 2024.

A Strategy to Closure was submitted to the SCDES on August 20, 2024. Following the Strategy to Closure submittal, a meeting with the SCDES to discuss the Strategy to Closure and requested changes from the department occurred. Following the meeting, the SCDES requested a Corrective Action Plan in a letter dated October 11, 2024.

PROPOSED CORRECTIVE ACTION

Permitting

A SCDES underground injection control (UIC) permit application has been prepared and will be submitted to the UIC program at the SCDES. A memo from the State Toxicologist's office referencing the safety of RegenOx® for the intended purpose is also attached.

Source Area Groundwater Treatment Approach and Execution Details

The remediation strategy proposed in the source area surficial aquifer is by enhanced AFVR, which will consist of three (3) rounds of in-situ chemical oxidation with each round being followed by three (3) 96-hour AFVR events for a total of nine (9) 96-hour AFVR events. A solution of water and RegenOx® placed by temporary underground injection wells will be utilized to oxidize and de-sorb the petroleum hydrocarbons in the source area. Each of the three (3) injection events will utilize forty-nine (49) temporary injection wells and will be spaced approximately four (4) months apart. Each series of three (3) enhanced AFVR events will begin approximately six (6) weeks following their respective injection events over a three (3) week time period. The AFVR events will utilize monitoring wells MW-1 and MW-24 as well as recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 on a rotating schedule. Please see the attached Gantt Schedule for a more detailed treatment schedule as well as which wells will be utilized during which AFVR event. The treatment area is approximately 2,400 square feet, and the injection interval extends from 21 to 42 feet bgs. Approximately 32,760 pounds of RegenOx® mixed with 46,108 gallons of water will be necessary to meet the stoichiometric demands of the planned enhanced AFVR approach.

The temporary injection wells will be installed using a Geoprobe 7822DT drill rig with 1.50-inch diameter probe rods and a five-foot injection rod utilized in a bottom-up injection fashion. Figure 5 is a schematic

diagram showing the general diagram of all injection well locations. Figures 6 through 8 are proposed temporary injection well locations per round.

Each injection well borehole will be properly abandoned using pressure-injected neat cement grout immediately upon completion.

Recovery Well and Replacement Well Installation

Prior to injection and AFVR activities, three (3) 4-inch diameter recovery wells (RW-4, RW-5, and RW-6) will be installed at the locations on the attached Figure 2. The recovery wells will be completed by a South Carolina licensed driller using decontaminated hollow stem augers to a depth of 42 feet bgs with 4-inch diameter schedule 40 casing and 20-foot sections of 0.010-inch slotted screen. A recovery well schematic is included as Figure 3.

Since monitoring wells MW-1 and MW-24 will be utilized in the AFVR events, they will not be utilized during post injection / AFVR monitoring events. Instead, replacement monitoring wells MW-1R and MW-24R will be installed and utilized during the sampling events after all injection and AFVR activities are completed. The wells will be installed as close to the original locations of each well as possible. The replacement wells will be completed by a South Carolina licensed driller using decontaminated hollow stem augers, 2-inch diameter schedule 40 casing, and a 10-foot section of 0.010-inch slotted screen set to bracket the water table [see attached schematic diagram (Figure 4)].

The monitoring and recovery wells will be completed at grade with a steel manhole cover and concrete pad. Water well record forms and development forms for each well will be completed by the licensed driller and submitted to the department in the first reports following the respective installation of the recovery and monitoring wells.

Well Abandonment

Monitoring well MW-7 will be abandoned during the recovery well installation detailed above. This well has been obstructed during the past two (2) sampling events, remains obstructed currently, and has not had concentrations of petroleum compounds detected at concentrations of regulatory concern since 2015. Monitoring well MW-28, immediately above well MW-7, will remain and continues to define the plume in this direction as a “clean” well. MW-7 will be abandoned in accordance with the South Carolina Well Standards

and Regulations R. 61-71. MW-7 will be abandoned by pressure injecting neat cement grout from the bottom up. Well abandonment records and photos will be included in the first injection report.

Baseline Monitoring

Monitoring and recovery wells MW-X, MW-1, MW-2, MW-21, MW-24, RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 will be sampled during a baseline monitoring event prior to the injection and AFVR activities at the site. Surface water SW-1 (Figure 2) will also be sampled during the event. This data will be compared to the interim performance monitoring data (as detailed in the section below) and used to evaluate the effectiveness of the source area treatment. Samples will be analyzed for benzene, toluene, ethylbenzene, xylenes (total), methyl-tert-butyl ether, naphthalene, (BTEXMN), 1,2-dichloroethane (1,2-DCA), and eight (8) oxygenates by EPA method 8260 and 1,2-dibromoethane (EDB) by EPA method 8011.

Interim Performance Monitoring

Monitoring and recovery wells MW-X, MW-1, MW-2, MW-21, MW-24, RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 will be sampled during two (2) interim performance monitoring events to evaluate the effectiveness of each series of three (3) enhanced AFVR events. Surface water SW-1 (Figure 2) will also be sampled during the events. The interim sampling events will take place approximately two (2) weeks after the end of the 1st AFVR event series and 2nd AFVR event series. Each well will be gauged for free-phase gasoline and sampled using the low-flow sampling technique. Samples will be analyzed for BTEXMN, 1,2-DCA, and eight (8) oxygenates by EPA method 8260 and EDB by EPA method 8011.

Groundwater Monitoring

It is anticipated that SSTLs will be attained within six (6) months after enhanced AFVR activities are completed. Two (2) limited quarterly sampling events will be performed utilizing select wells (wells MW-1R, MW-2, MW-3, MW-4, MW-4I, MW-12, MW-12I, MW-14, MW-14I, MW-17, MW-17I, MW-20, MW-22, MW-22I, MW-24R, MW-25, MW-26, MW-26I, MW-X, and MW-XR). Surface water SW-1 (Figure 2) will also be sampled during the limited quarterly sampling events.

Two (2) comprehensive sampling events utilizing all remaining wells and a surface water sample will be performed in the third and fourth quarters after remedial activities are completed. All samples collected during the limited and comprehensive sampling quarterly events will be analyzed for benzene, toluene, ethylbenzene, xylenes (total), methyl-tert-butyl-ether, naphthalene, 1,2-dichloroethane, and eight (8) oxygenates by EPA method 8260 and 1,2-dibromoethane by EPA method 8011.

Recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 and monitoring wells MW-1 and MW-24 will be gauged only for the presence of free-phase gasoline during all post-remedial activity sampling events due to their usage during the AFVR events.

Because of the high mass of petroleum hydrocarbons present in the source area, 100% reduction is not expected. Residual hydrocarbons, including those listed above are expected to remain at levels lower than the SSTLs. The three (3) proposed applications are expected to reduce the starting petroleum hydrocarbon concentrations below SSTLs.

Contaminant migration as a result of the planned injection activities is not expected to occur. No potential exposure pathways for humans, animals, or the environment is expected. This opinion is based on the fact that the injection area is located outside of the footprint of any structures and the injection depth interval is from 21 to 42 feet bgs. The nearest receptor is a creek located approximately 500 feet to the southeast of the site.

Following the quarterly groundwater sampling events detailed above, confirmation of continuing groundwater concentrations below SSTLs, and SCDES approval, all monitoring and recovery wells at the site will be properly abandoned by a South Carolina licensed driller.

Contingency Plan

In the event that interim performance monitoring indicates the planned enhanced AFVR is insufficient to achieve site-closure, alternative techniques will be utilized with remaining approved funds to reach closure.

EnviroSouth will submit addendums to the Corrective Action Plan and Underground Injection Control Permit, as necessary, in the event that a contingency plan is required.

Spill Prevention

The sodium percarbonate mixture will come in two (2) separate packings. Part A of the injectate will be packaged in sealed 40-pound plastic bags and not opened until ready for mixing. Part B of the injectate will be packaged in sealed 400-pound drums and not opened until ready for mixing. The solution of water and sodium percarbonate will be contained in plastic tanks/totes with secured lids during the mixing and

injection process. A spill containment kit will be onsite at all times during the operation. The kit will contain absorbent pads, socks and booms, absorbent clay, and a wet-vac capable of capturing any spills or leaks that may arise during the operation.

Waste Materials

Sodium percarbonate bags will be emptied of all contents and placed in heavy-duty contractor trash bags daily for future disposal at an approved landfill.

Electron acceptor drums will be emptied of all contents and disposed of at an approved landfill.

Spent absorbent pads, socks, booms, and absorbent clay necessary to manage spills or leaks will be managed as investigation derived waste (IDW) and will be placed in labeled 55-gallon steel drums and disposed under manifest control at an approved landfill.

Equipment Deactivation

After completion of each injection application, all equipment brought to the site will be removed.

Parcel Information

The subject property and adjoining properties parcel information are attached.

Site-Specific Health and Safety Plan

A site-specific health and safety plan for this work is included.

Pertinent Contacts

South Carolina Department of Health and Environmental Control

SCDES Project Manager: Mr. Adam Looper

Telephone Number: (803) 898-0631

Environmental Consultant

Contractor: EnviroSouth

Site Contact: Mr. William Lyons, P.G.

Telephone Number:	(864) 979-7862
Address:	3440 Augusta Road
	Greenville, South Carolina 29605

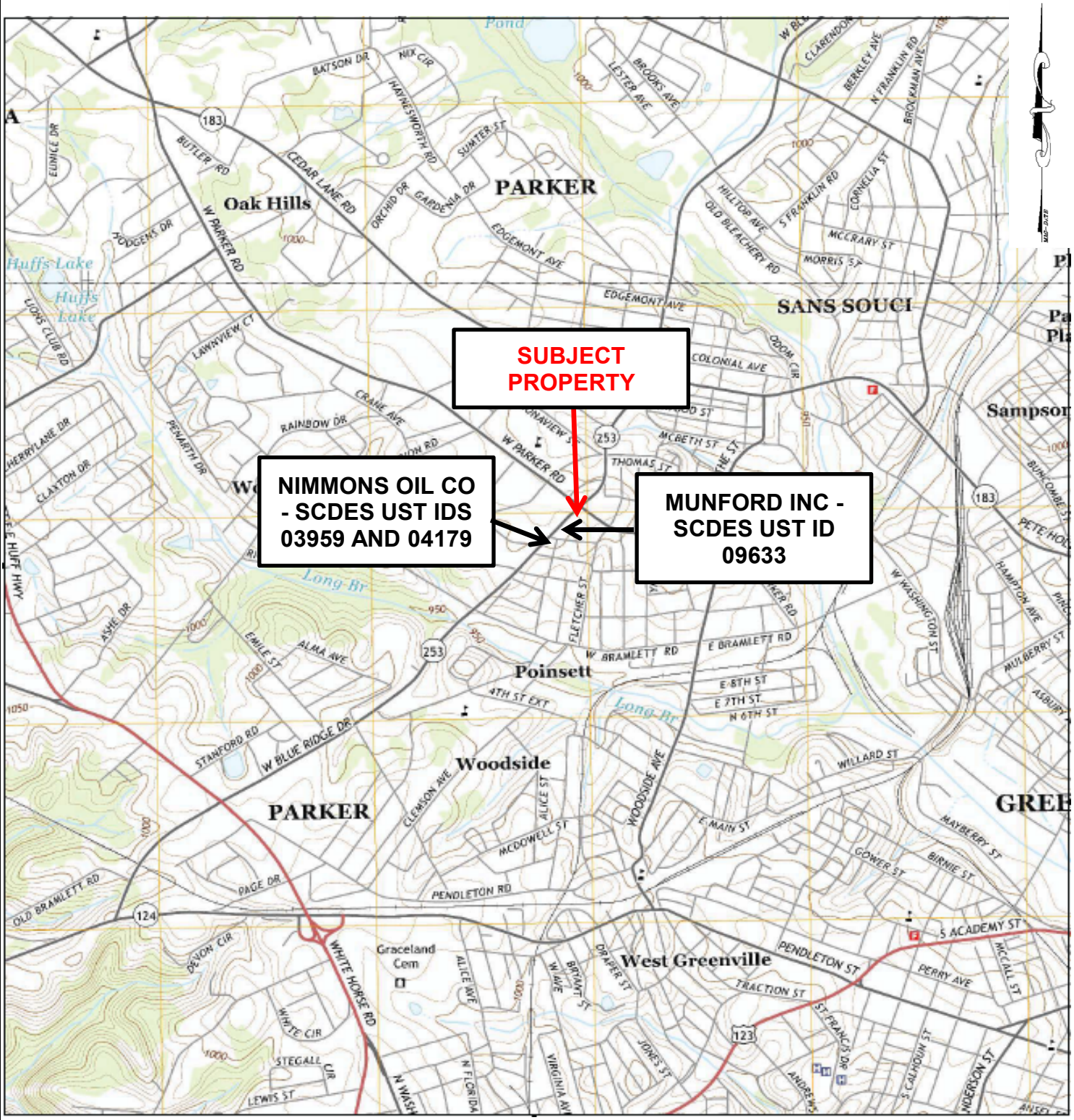
Chemical Manufacturer

Injectate:	RegenOx®
Provider:	Regenesis
Contact:	Mr. Daniel Pile
Telephone:	(470) 757-8560
Address:	1101 Calle Sombra
	San Clemente, California 92673

Implementation Schedule

A Gantt chart showing the proposed implementation schedule is attached.

FIGURES



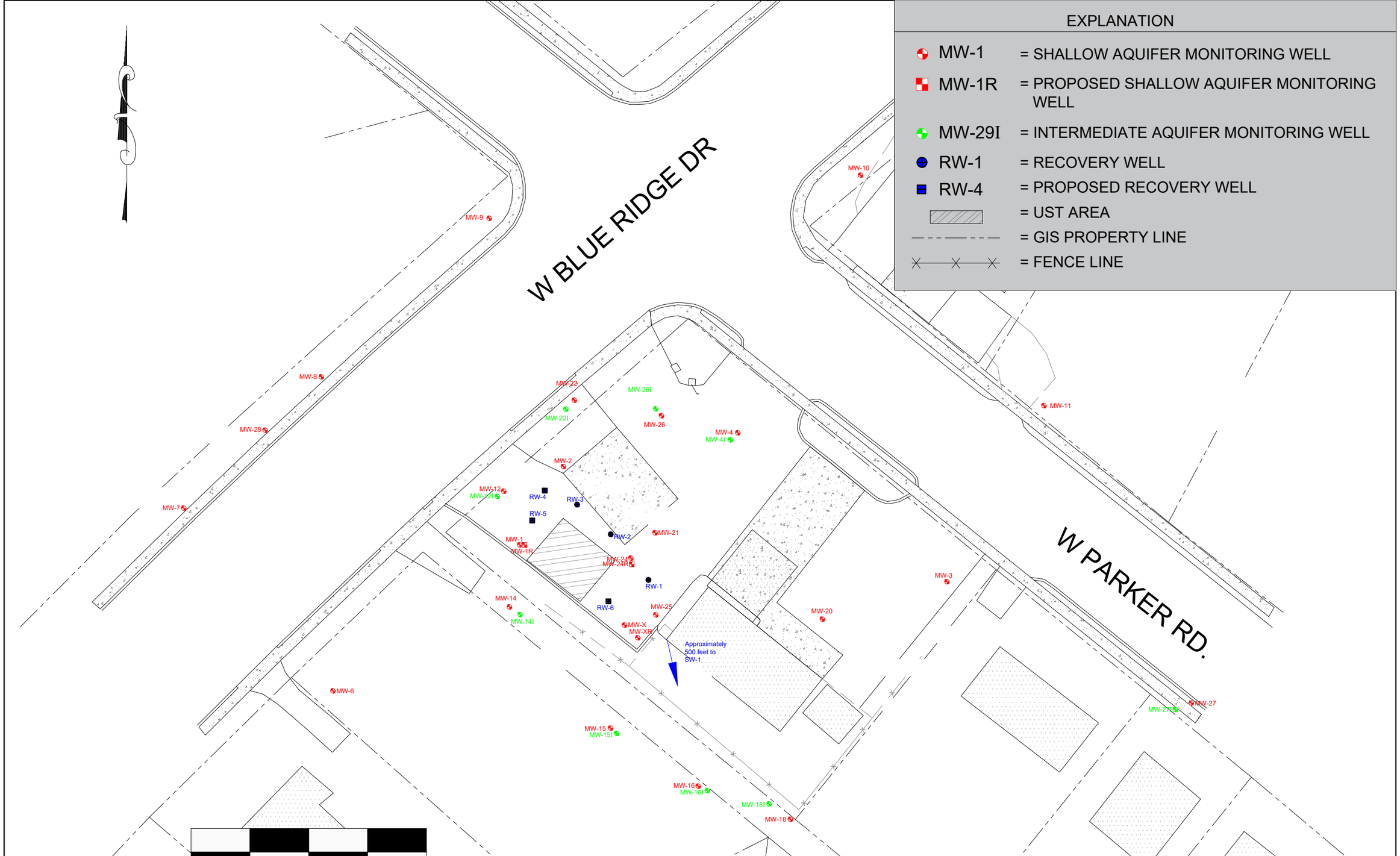
SOURCE: USGS 7.5' QUADRANGLE MAP 2014, GREENVILLE, SC

ENVIROSOUTH
Environmental Consultants

SITE VICINITY MAP

COMMERCIAL PROPERTY
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA
SCDES UST ID NO. 12430

JOB NO.: 3570	CHECKED BY: KM	FIGURE: 1
SCALE: NOT SHOWN	DRAWN BY: BD	DATE: 11/21/2024

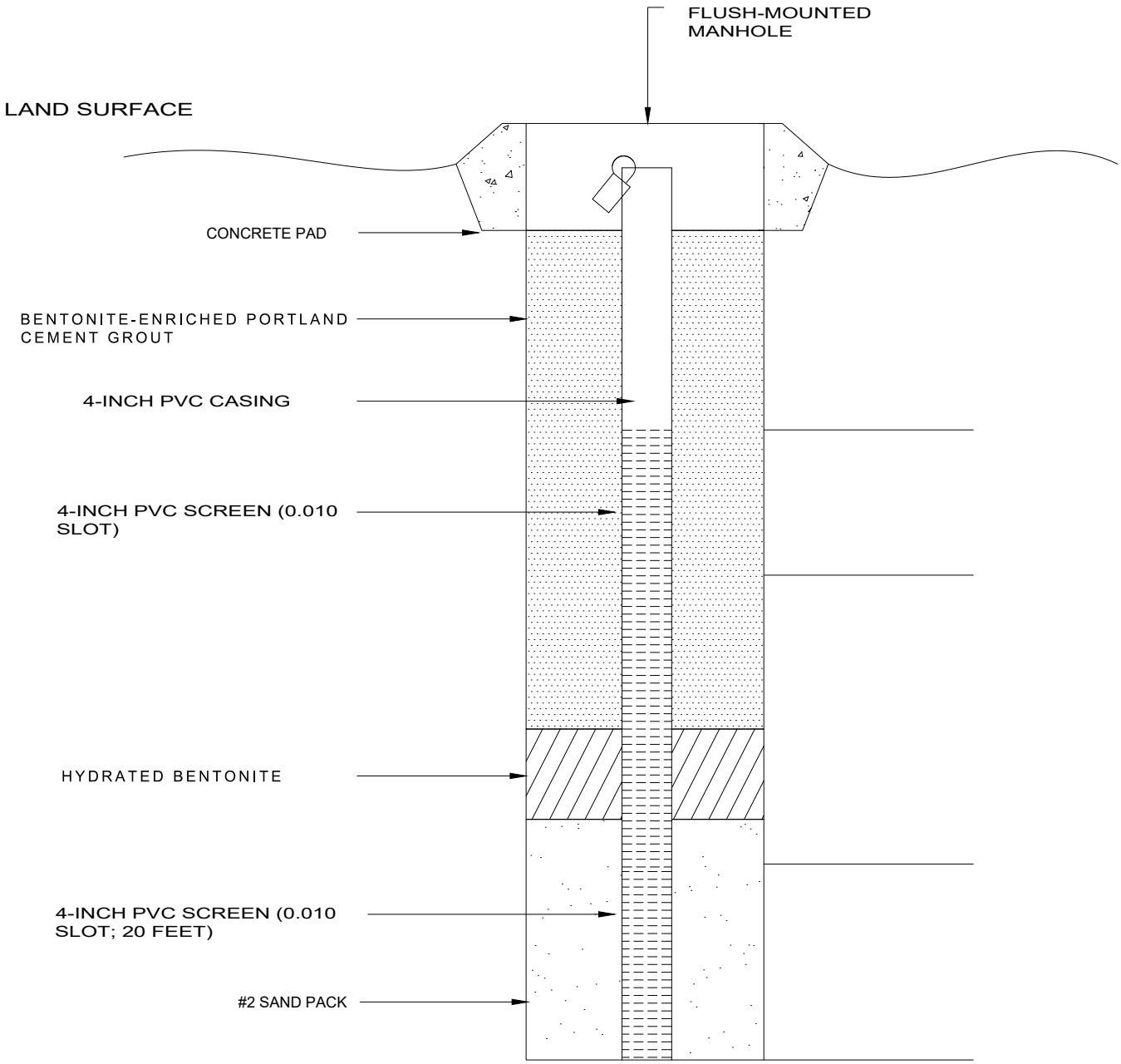


DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	12/20/2024	BD	TFD	AS SHOWN	3570	2

ENVIROSOUTH Environmental Consultants

SITE MAP

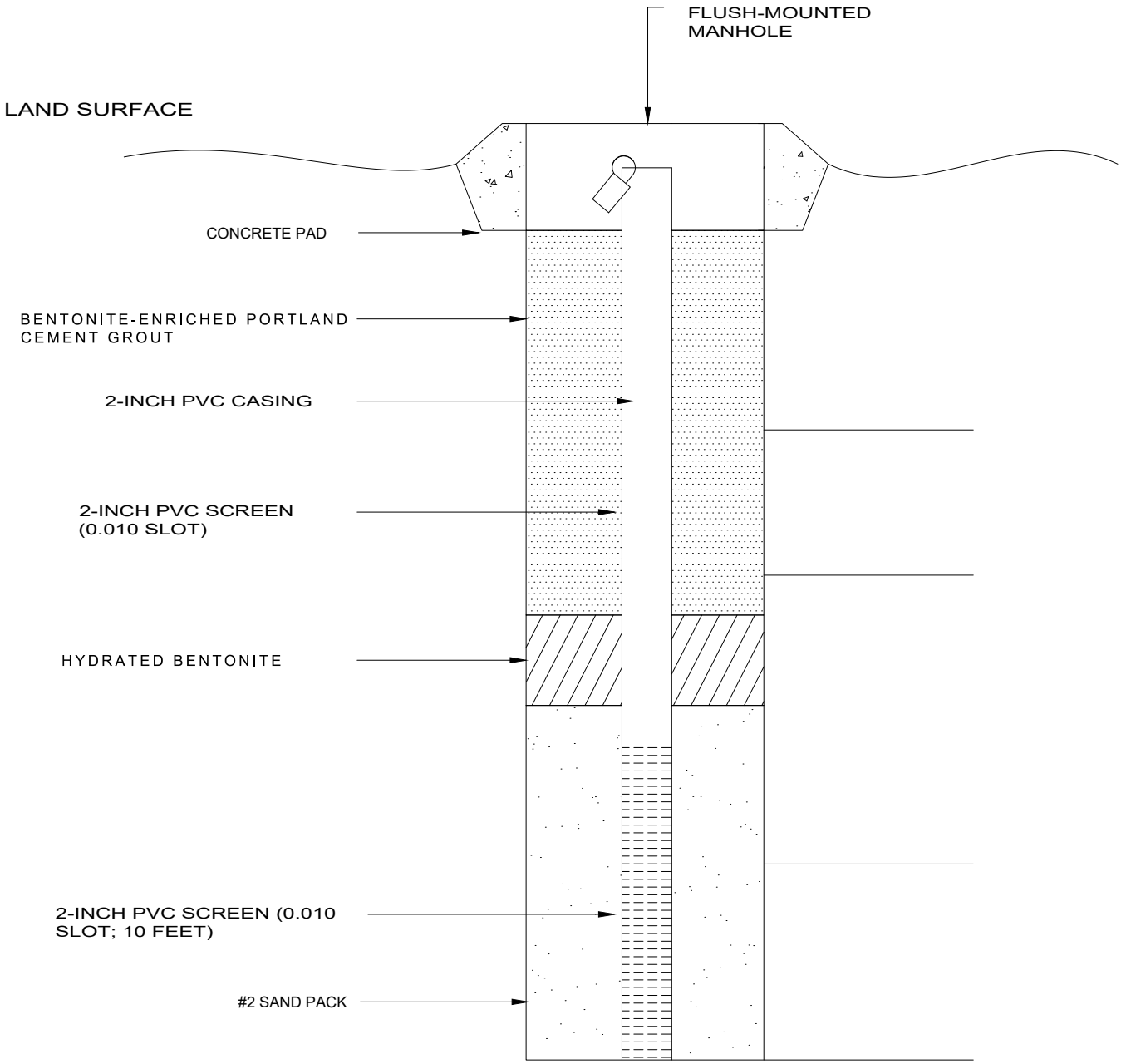
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



ENVIROSOUTH Environmental Consultants

RECOVERY WELL DIAGRAM
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

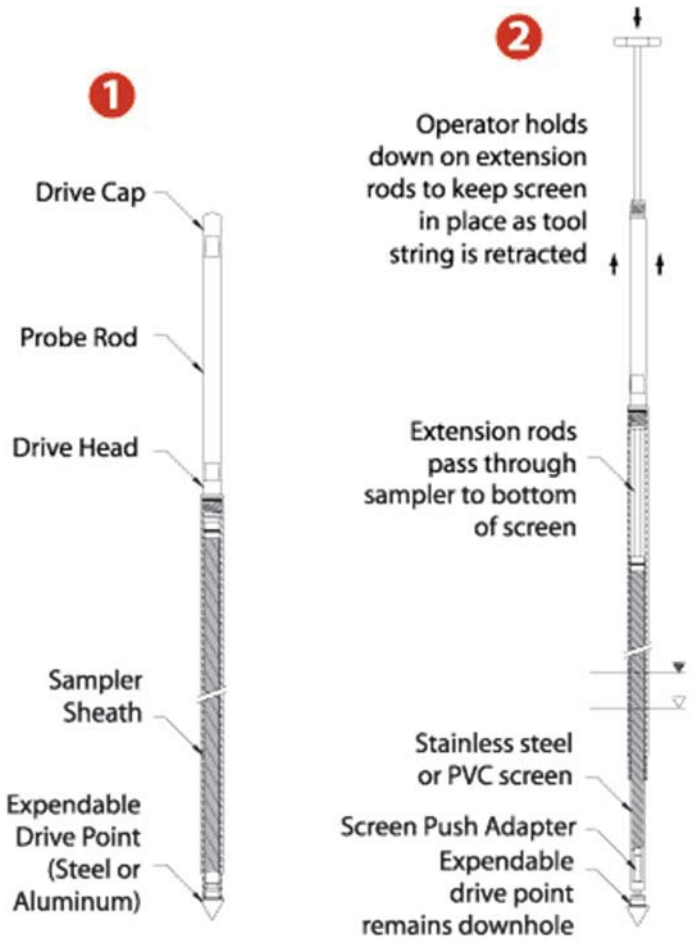
FIGURE: 3

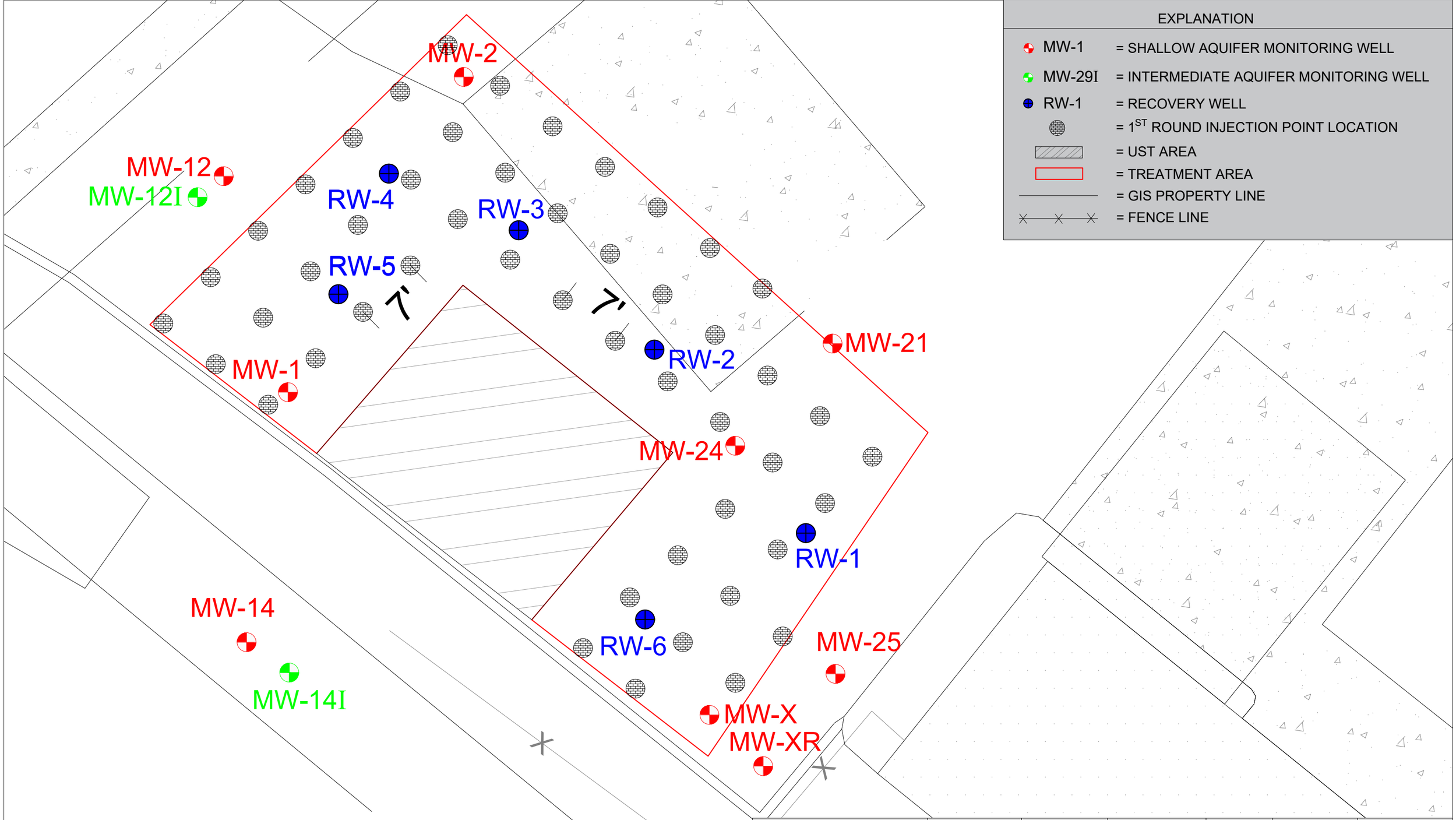


ENVIROSOUTH
Environmental Consultants

MONITORING WELL DIAGRAM
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

FIGURE: 4


1
Drive Cap
Probe Rod
Drive Head
Sampler Sheath
Expendable Drive Point (Steel or Aluminum)
2
Operator holds down on extension rods to keep screen in place as tool string is retracted
Extension rods pass through sampler to bottom of screen
Stainless steel or PVC screen
Screen Push Adapter
Expendable drive point remains downhole



EXPLANATION

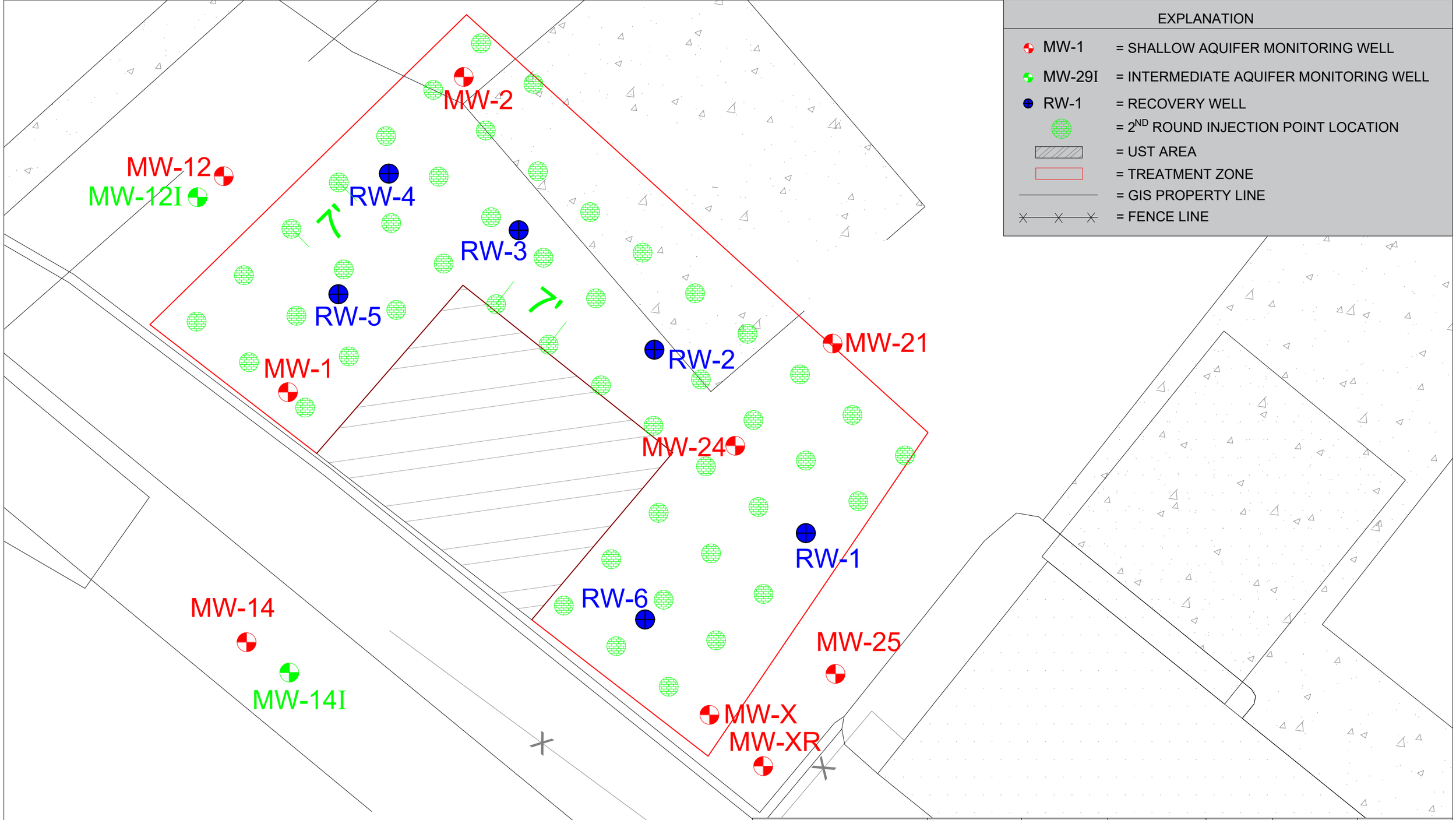
MW-1	= SHALLOW AQUIFER MONITORING WELL
MW-29I	= INTERMEDIATE AQUIFER MONITORING WELL
RW-1	= RECOVERY WELL
	= 1ST ROUND INJECTION POINT LOCATION
	= UST AREA
	= TREATMENT AREA
	= GIS PROPERTY LINE
	= FENCE LINE

DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	12/20/2024	BD	TFD	AS SHOWN	3570	6

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 1ST ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

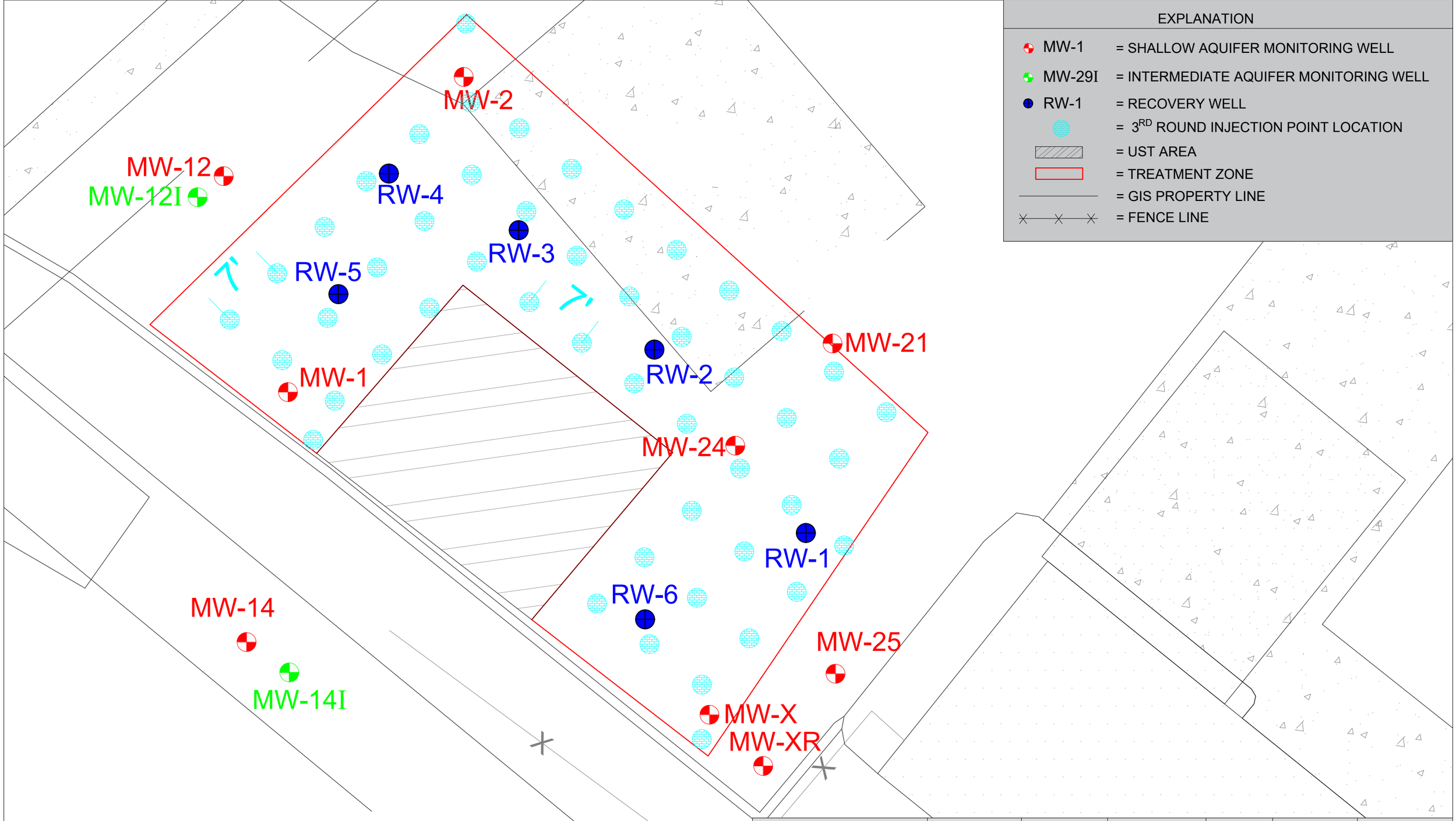


DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	12/20/2024	BD	TFD	AS SHOWN	3570	7

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 2ND ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	12/20/2024	BD	TFD	AS SHOWN	3570	8

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 3RD ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

REGENESIS

Technology-Based Solutions for the Environment

PROJECT NAME

Westside Quick Stop

Preliminary Cost Proposal

Rev 01

PREPARED FOR

EnviroSouth
William Lyons
wlyons@envirosouth.com

PREPARED BY

REGENESIS

Daniel Pile
dpile@regenesis.com

Ian Doliana
idoliana@regenesis.com

August 26, 2024

Project Summary

REGENESIS appreciates the opportunity to provide EnviroSouth our remedial design and cost estimate for the Westside Quick Stop project. This proposal includes an overview of our proposed solution, the project goals, technologies proposed, application design summary table and a treatment area map.

Proposed Solution

We propose treatment with RegenOx to address residual petroleum hydrocarbon impacts within the defined treatment area. These reagents will be applied via direct push injection. We are also recommending extraction events following each application. The target extraction volume should be approximately 120% of each event's injection volume and should occur 2-3 weeks after each event. Reagent quantities are estimated based on provided site information. Adjustments may be needed after further investigation.

Project Goals

- Remove NAPL from MW-1, RW-1, RW-2, and MW-24
- Reduce groundwater concentrations to below solubility limits

Technologies Proposed

- RegenOx®

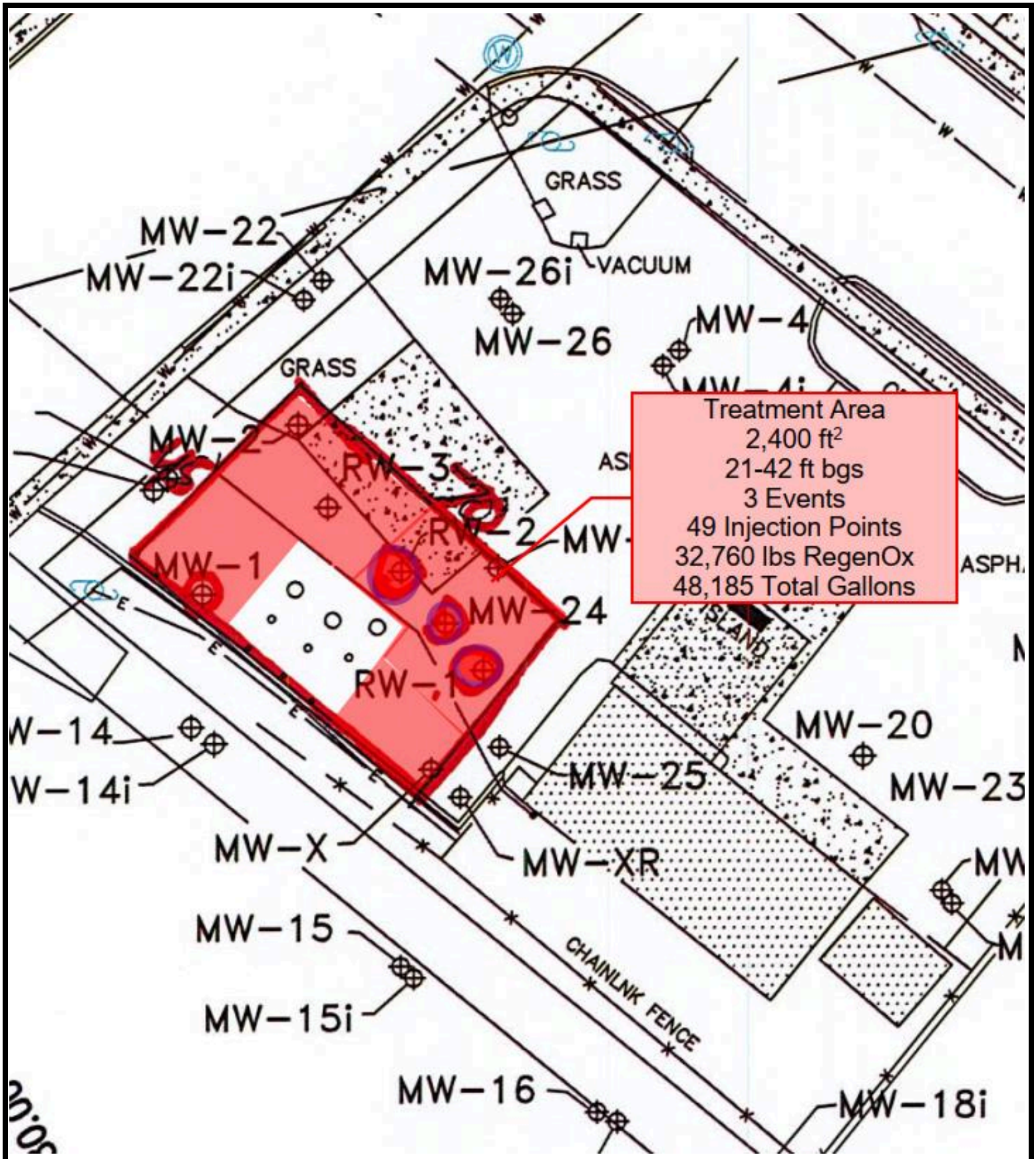
Click above to access product specification sheets

Technical Resources

- RegenOx® Technical Bulletin: Compatibility with Underground Storage Structures and Pipes
- RegenOx® Technical Bulletin: Increased Solubility Effects When Treating Total Petroleum Hydrocarbons
- RegenOx® Technical Bulletin: Chemical Oxidation of Petroleum Hydrocarbons in High Total Organic (TOC) Environments

Design Summary

Treatment Area		
Design Parameters	**Unit**	**Value**
Treatment Area	ft sq.	2,400
Top Treat Depth (ft. bgs)		21
Bottom Treat Depth (ft. bgs)		42
Vertical Treatment Interval	ft	21
Soil Type		Sandy silt
Porosity	cm3/cm3	0.40
Effective Porosity	cm3/cm3	0.15
Hydraulic Gradient	ft/ft	0.01
GW Velocity	ft/yr	60.88
Application Summary		
Spacing Within Rows (ft)		7
Spacing Between Rows (ft)		7
Injection Points (per app.)		49
Number of Applications		3
RegenOx Part A Solution %		6%
Eff. Pore Voume Occupancy		85%
Product Dosage		
RegenOx Part A	lbs	24,560
RegenOx Part B	lbs	8,200
Water Required	gallons	46,108
Total Volume Applied	gallons	48,185



Westside Quick Stop

EnviroSouth

August 26, 2024

Figure 1-Treatment Area Map

REGENESIS

Technology-Based Solutions for the Environment

Technical Approach

Our review of the site data indicates that non-aqueous phase liquids (NAPLs) are present. RegenOx is an advanced chemical oxidation technology that destroys contaminants through powerful, yet controlled chemical reactions. This product maximizes *in-situ* performance while using a solid alkaline oxidant that employs a sodium percarbonate complex with a multi-part catalytic formula. RegenOx directly oxidizes contaminants while its unique catalytic component generates a range of highly oxidizing free radicals that rapidly and effectively destroy a range of target contaminants including both petroleum hydrocarbons and chlorinated compounds. The secondary ability of RegenOx is to increase the desorption rates of hydrocarbons bound in saturated soil and make them available for more efficient and rapid treatment using a range of mass recovery technologies including multi-phase extraction as proposed here. Each RegenOx application is expected to result in oxidant longevity of 2 to 3 weeks, while the activator will persist longer. For this reason, multiple applications, at an application event spacing of approximately 2 to 3 weeks, coupled with an enhanced recovery technology, are recommended for use in this project.

Due to the unique surfactant characteristics of RegenOx, which is designed to allow for mass transfer from sorbed to dissolved phase and/or free-phase, we recommend that use of this product be coupled with multi-phase extraction (MPE) at this site. MPE is best conducted using a mobile vacuum tanker truck or similar high-vacuum system which can quickly remove dissolved and free-phase mass. The events should be conducted approximately 2-3 weeks after each RegenOx application (i.e., immediately prior to each subsequent RegenOx application). Each extraction event should remove approximately 120% of the injection volume from each event.

Treatment Zone Design Parameters

The table below summarizes pertinent treatment zone information used for developing the remedial application design. Where site-specific data were unavailable, default values based on soil type were used.

Target Treatment Zone (TTZ) Info	Unit	Value
Treatment Area	ft^2	2,400
Top Treatment Depth	ft	21.0
Bottom Treatment Depth	ft	42.0
Vertical Treatment Interval	ft	21.0
Treatment Zone Volume	ft^3	50,400
Treatment Zone Volume	cy	1,867
Soil Type	---	Sandy silt
Porosity	cm^3/cm^3	0.40
Effective Porosity	cm^3/cm^3	0.15
Treatment Zone Pore Volume	gals	150,807
Treatment Zone Effective Pore Volume	gals	56,553
Soil Density	g/cm^3	1.67
Hydraulic Conductivity	ft/day	5.0
Hydraulic Gradient	ft/ft	0.005
GW Velocity	ft/yr	61

Regenesis Bioremediation Products
1011 Calle Sombra
San Clemente, CA 92673
US

REGENESIS
Technology-Based Solutions for the Environment

PRICE QUOTATION
(Valid for only 30 days from date of quote)*

Contact Name	William Lyons	Account Name	EnviroSouth
Created Date	11/21/2024	Prepared By	Aaron Hazen
Quote Name	40840 - idoli77597 - Westside Quick Stop - SC - Event 1	Quote Number	00040840

Thank you for your interest in Regenesis Products. Please find below the sales price and related shipping, handling and tax costs per your request.

Please note that a Price Quotation is not a sales order. To place an order please contact our customer service department at 949 366-8000 or order online at http://www.regenesis.com/order.

Products

Product Code	Product	Quantity	Sales Price	Total Price
2200	RegenOx® Part A Bags (40 lb) (RBP)	8,200.00	USD 3.85	USD 31,570.00
2210	RegenOx® Part B Pails (40 lb) (RBP)	2,760.00	USD 3.85	USD 10,626.00
FRE001	Freight	1.00	USD 2,955.78	USD 2,955.78

Special Delivery Instructions	R+L Carriers (1-2 transit days) - Delivery Appointment Required - Lift Gate & Pallet Jack at delivery Quote valid for 90 days - expires 2/19/2025 -	Subtotal	USD 45,151.78
		Tax	USD 2,531.76
		Grand Total	USD 47,683.54
Payment Terms	Net 90		

F.O.B. Origin

PAYMENT TERMS: A monthly finance fee of 1.5% will be applied to accounts over the listed payment terms. Volume discounts pricing will be rescinded on accounts outstanding over 90 days. An early payment discount of 1.5% NET 10, is available for cash or check payment only. Discount applied to product, services, and any applicable sales tax. Discount does not apply to any freight and handling. We accept MasterCard, Visa, and American Express.

Sales Tax: a valid Reseller Certificate or Tax Exempt Certificate must be presented to the Customer Service Department at the time an order is placed. Sales tax charges on the quote/ sales confirmations are estimated based on delivery location. The actual sales tax rate is calculated at the time of invoice. Liability for all taxes and import or export duties, imposed by any city, state, federal, or other government authority, shall be assumed and paid by the buyer. Buyer further agrees to defend and indemnify seller against any and all liabilities for such taxes or duties and legal fees or cost incurred by seller in connection therewith.

RETURN POLICY: All requests to return product must be pre-approved by Regenesis. A 15% re-stocking fee will be charged for all returned goods. Return freight must be prepaid and product must be in saleable condition. No product will be accepted for return after of 90 days from original delivery date.

Regenesis Bioremediation Products
1011 Calle Sombra
San Clemente, CA 92673
US

SHIPPING POLICY: the following terms and conditions shall apply

1. As a service Regenesis will assist and coordinate with independent trucking brokers/carriers the delivery of product. Regenesis will also coordinate a "will call" pick up at one of its warehouse locations with a customer's freight carrier of choice. Please note that product availability will vary by warehouse location.
2. All quoted rates and delivery dates are based on Standard Delivery Terms, which allow or provide only an estimated date and time of delivery of product to a site. Delivery times will vary per carrier. A guaranteed delivery may be available for an additional cost and must be requested when placing an order. If the carrier fails to meet the Guaranteed delivery per the specified date and time, *per the carrier's terms and conditions*, carrier will waive this additional charge.
3. Shipping /Freight costs are estimates and may change pending requirement of any additional equipment or change in volume or delivery instructions at time of placing your order.

SHIPPING DISCLAIMER: Regenesis is not in the business of shipping or transportation of its products. We will strive to assist in meeting shipping requirements, but please realize that all shipments are subject to carrier's availability, weather, mechanical problems, or other unforeseen circumstances. As a result, Regenesis cannot be held responsible for project/site costs incurred due to shipping related delays.

Handling Fee: Handling Fees may be subject to sales tax based on point of delivery.

Freight Freight charges are estimates and actual freight charges are calculated at the time of invoice. Additional freight charges may be assessed for any accessorial (can include, but not limited to lift gate and pallet jack at delivery, inside delivery, time definite deliveries, and delivery appointments) requested at the time of delivery. Please communicate any requirements for delivery with the customer service department at the time the order is placed. Standard delivery is 8am-5pm, Monday – Friday. *Full truck rates are valid for 7 days from date of quote.

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PRICE QUOTATION
(Valid for only 30 days from date of quote)*

Contact Name	William Lyons	Account Name	EnviroSouth
Created Date	11/21/2024	Prepared By	Aaron Hazen
Quote Name	40841 - idoli77597 - Westside Quick Stop - SC - Event 2	Quote Number	00040841

Thank you for your interest in Regenesis Products. Please find below the sales price and related shipping, handling and tax costs per your request.

Please note that a Price Quotation is not a sales order. To place an order please contact our customer service department at 949 366-8000 or order online at http://www.regenesis.com/order.

Products

Product Code	Product	Quantity	Sales Price	Total Price
2200	RegenOx® Part A Bags (40 lb) (RBP)	8,200.00	USD 3.85	USD 31,570.00
2210	RegenOx® Part B Pails (40 lb) (RBP)	2,760.00	USD 3.85	USD 10,626.00
FRE001	Freight	1.00	USD 2,955.78	USD 2,955.78

Special Delivery Instructions	R+L Carriers (1-2 transit days) - Delivery Appointment Required - Lift Gate & Pallet Jack at delivery Quote valid for 90 days - expires 2/19/2025 -	Subtotal	USD 45,151.78
		Tax	USD 2,531.76
		Grand Total	USD 47,683.54
Payment Terms	Net 90		

F.O.B. Origin

PAYMENT TERMS: A monthly finance fee of 1.5% will be applied to accounts over the listed payment terms. Volume discounts pricing will be rescinded on accounts outstanding over 90 days. An early payment discount of 1.5% NET 10, is available for cash or check payment only. Discount applied to product, services, and any applicable sales tax. Discount does not apply to any freight and handling. We accept MasterCard, Visa, and American Express.

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PRICE QUOTATION
(Valid for only 30 days from date of quote)*

Contact Name	William Lyons	Account Name	EnviroSouth
Created Date	11/21/2024	Prepared By	Aaron Hazen
Quote Name	40842 - idoli77597 - Westside Quick Stop - SC - Event 3	Quote Number	00040842

Thank you for your interest in Regenesis Products. Please find below the sales price and related shipping, handling and tax costs per your request.

Please note that a Price Quotation is not a sales order. To place an order please contact our customer service department at 949 366-8000 or order online at http://www.regenesis.com/order.

Products

Product Code	Product	Quantity	Sales Price	Total Price
2200	RegenOx® Part A Bags (40 lb) (RBP)	8,200.00	USD 3.85	USD 31,570.00
2210	RegenOx® Part B Pails (40 lb) (RBP)	2,760.00	USD 3.85	USD 10,626.00
FRE001	Freight	1.00	USD 2,955.78	USD 2,955.78

Special Delivery Instructions	R+L Carriers (1-2 transit days) - Delivery Appointment Required - Lift Gate & Pallet Jack at delivery Quote valid for 90 days - expires 2/19/2025 -	Subtotal	USD 45,151.78
		Tax	USD 2,531.76
		Grand Total	USD 47,683.54
Payment Terms	Net 90		

F.O.B. Origin

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RETURN POLICY: All requests to return product must be pre-approved by Regenesis. A 15% re-stocking fee will be charged for all returned goods. Return freight must be prepaid and product must be in saleable condition. No product will be accepted for return after of 90 days from original delivery date.

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Acknowledgement

This scope and associated costs are budgetary and should not be considered final. Listed below are the next steps to secure a final design and cost estimate from REGENESIS.

Steps to Final Design and Scope of Work

1. Signature notifying REGENESIS to proceed with final design.
2. REGENESIS technical team contacts EnviroSouth to review final scope of work and provide detailed design and cost estimate
3. Provide Detailed Remediation Services Scope of Work, if applicable.
4. Confirm Implementation Schedule
5. Submit Detailed Design and Cost Estimate to EnviroSouth for review and final approval

Signature below confirms signee accepts this preliminary scope of work and would like REGENESIS to proceed with a detailed design and cost estimate.

SIGNATURE
William Lyons

Not yet accepted

EnviroSouth | William Lyons, Senior Hydrogeologist

Terms & Conditions

1. **PAYMENT TERMS.** Net 90 Days. Accounts outstanding after 90 days will be assessed 1.5% monthly interest. Volume discount pricing will be rescinded on all accounts outstanding over 90 days. An early payment discount of 1.5% Net 10 is available for cash or check payments only. We accept Master Card, Visa and American Express.
2. **RETURN POLICY.** A 15% re-stocking fee will be charged for all returned goods. All requests to return product must be pre-approved by seller. Returned product must be in original condition and no product will be accepted for return after a period of 90 days.
3. **FORCE MAJEURE.** Seller shall not be liable for delays in delivery or services or failure to manufacture or deliver due to causes beyond its reasonable control, including but not limited to acts of God, acts of buyer, acts of military or civil authorities, fires, strikes, flood, epidemic, war, riot, delays in transportation or car shortages, or inability to obtain necessary labor, materials, components or services through seller's usual and regular sources at usual and regular prices. In any such event Seller may, without notice to buyer, at any time and from time to time, postpone the delivery or service dates under this contract or make partial delivery or performance or cancel all or any portion of this and any other contract with buyer without further liability to buyer. Cancellation of any part of this order shall not affect Seller's right to payment for any product delivered or service performed hereunder.
4. **LIMITED WARRANTY.** Seller warrants the product(s) sold and services provided as specified on face of invoice, solely to buyer. Seller makes no other warranty of any kind respecting the product and services, and expressly DISCLAIMS ALL OTHER WARRANTIES OF WHATEVER KIND RESPECTING THE PRODUCT AND SERVICES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND NON-INFRINGEMENT.
5. **DISCLAIMER.** Where warranties to a person other than buyer may not be disclaimed under law, seller extends to such a person the same warranty seller makes to buyer as set forth herein, subject to all disclaimers, exclusions and limitations of warranties, all limitations of liability and all other provisions set forth in the Terms and Conditions herein. Buyer agrees to transmit a copy of the Terms and Conditions set forth herein to any and all persons to whom buyer sells, or otherwise furnishes the products and/or services provided buyer by seller and buyer agrees to indemnify seller for any liability, loss, costs and attorneys' fees which seller may incur by reason, in whole or in part, of failure by buyer to transmit the Terms and Conditions as provided herein.
6. **LIMITATION OF SELLER'S LIABILITY AND LIMITATION OF BUYER'S REMEDY.** Seller's liability on any claim of any kind, including negligence, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery, resale, repair or use of any goods or performance of any services covered by or furnished hereunder, shall in no case exceed the lesser of (1) the cost of repairing or replacing goods and repeating the services failing to conform to the foregoing warranty or the price of the goods and/or services or part thereof which gives rise to the claim. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, OR FOR DAMAGES IN THE NATURE OF PENALTIES.
7. **INDEMNIFICATION.** Buyer agrees to defend and indemnify seller of and from any and all claims or liabilities asserted against seller in connection with the manufacture, sale, delivery, resale or repair or use of any goods, and performance of any services, covered by or furnished hereunder arising in whole or in part out of or by reason of the failure of buyer, its agents, servants, employees or customers to follow instructions, warnings or recommendations furnished by seller in connection with such goods and services, by reason of the failure of buyer, its agents, servants, employees or customers to comply with all federal, state and local laws applicable to such goods and services, or the use thereof, including the Occupational Safety and Health Act of 1970, or by reason of the negligence or misconduct of buyer, its agents, servants, employees or customers.

8. **EXPENSES OF ENFORCEMENT.** In the event seller undertakes any action to collect amounts due from buyer, or otherwise enforce its rights hereunder, Buyer agrees to pay and reimburse Seller for all such expenses, including, without limitation, all attorneys and collection fees.

9. **TAXES.** Liability for all taxes and import or export duties, imposed by any city, state, federal or other governmental authority, shall be assumed and paid by buyer. Buyer further agrees to defend and indemnify seller against any and all liabilities for such taxes or duties and legal fees or costs incurred by seller in connection therewith.

10. **ASSISTANCE AND ADVICE.** Upon request, seller in its discretion will furnish as an accommodation to buyer such technical advice or assistance as is available in reference to the goods and services. Seller assumes no obligation or liability for the advice or assistance given or results obtained, all such advice or assistance being given and accepted at buyer's risk.

11. **SITE SAFETY.** Buyer shall provide a safe working environment at the site of services and shall comply with all applicable provisions of federal, state, provincial and municipal safety laws, building codes, and safety regulations to prevent accidents or injuries to persons on, about or adjacent to the site.

12. **INDEPENDENT CONTRACTOR.** Seller and Buyer are independent contractors and nothing shall be construed to place them in the relationship of partners, principal and agent, employer/employee or joint ventures. Neither party will have the power or right to bind or obligate the other party except as may be expressly agreed and delegated by other party, nor will it hold itself out as having such authority.

13. **REIMBURSEMENT.** Seller shall provide the products and services in reliance upon the data and professional judgments provided by or on behalf of buyer. The fees and charges associated with the products and services thus may not conform to billing guidelines, constraints or other limits on fees. Seller does not seek reimbursement directly from any government agency or any governmental reimbursement fund (the "Government"). In any circumstance where seller may serve as a supplier or subcontractor to an entity that seeks reimbursement from the Government for all or part of the services performed or products provided by seller, it is the sole responsibility of the buyer or other entity seeking reimbursement to ensure the products and services and associated charges are in compliance with and acceptable to the Government prior to submission. When serving as a supplier or subcontractor to an entity that seeks reimbursement from the Government, seller does not knowingly present or cause to be presented any claim for payment to the Government.

14. **APPLICABLE LAW/JURISDICTION AND VENUE.** The rights and duties of the parties shall be governed by, construed, and enforced in accordance with the laws of the State of California (excluding its conflict of laws rules which would refer to and apply the substantive laws of another jurisdiction). Any suit or proceeding hereunder shall be brought exclusively in state or federal courts located in Orange County, California. Each party consents to the personal jurisdiction of said state and federal courts and waives any objection that such courts are an inconvenient forum.

15. **ENTIRE AGREEMENT.** This agreement constitutes the entire contract between buyer and seller relating to the goods or services identified herein. No modifications hereof shall be binding upon the seller unless in writing and signed by seller's duly authorized representative, and no modification shall be effected by seller's acknowledgment or acceptance of buyer's purchase order forms containing different provisions. Trade usage shall neither be applicable nor relevant to this agreement, nor be used in any manner whatsoever to explain, qualify or supplement any of the provisions hereof. No waiver by either party of default shall be deemed a waiver of any subsequent default.

Detailed Design Table

Project Information		
Westside Quick Stop		
Greenville, South Carolina		
Treatment Area		
Prepared For:		
EnviroSouth, Inc.		
Target Treatment Zone (TTZ) Info	**Unit**	**Value**
Treatment Area	ft^2	2,400
Top Treatment Depth	ft	21.0
Bottom Treatment Depth	ft	42.0
Vertical Treatment Interval	ft	21.0
Treatment Zone Volume	ft^3	50,400
Treatment Zone Volume	cy	1,867
Soil Type	---	Sandy silt
Porosity	cm^3/cm^3	0.40
Effective Porosity	cm^3/cm^3	0.15
Treatment Zone Pore Volume	gals	150,807
Treatment Zone Effective Pore Volume	gals	56,553
Soil Density	g/cm^3	1.67
Hydraulic Conductivity	ft/day	5.0
Hydraulic Gradient	ft/ft	0.005
GW Velocity	ft/yr	61
Application Design Summary		
Treatment Area	**ft^2**	**2400.0**
Top Treatment Depth	ft bgs	21.0
Bottom Treatment Depth	ft bgs	42.0
Application Method	-	**Direct Push**
Spacing Within Rows	ft	7.0
Spacing Between Rows	ft	7.0
Injection Points (per app.)	-	**49**
Number of Applications	-	**3**
Total RegenOx to be Applied	**lbs**	**32,760**
RegenOx Part A	lbs	24,560
RegenOx Part B	lbs	8,200
RegenOx Part A per Point	lbs	167
RegenOx Part B per Point	lbs	56
RegenOx Part A Solution %	%	6.0%
Volume Water	**gals**	**46,108**
Total Solution Volume	**gals**	**48,185**
Application Volume per Foot	gals	16
Injection Volume per Point	gals	328
Application Dosing		
RegenOx to be Applied	**lbs**	**32,760**
RegenOx Part A to be Applied	**lbs**	**24,560**
RegenOx Part B to be Applied	**lbs**	**8,200**
Prepared By:	**Ian Doliana - Design Specialist**	
Date:	**8/26/2024**	

REGENOX PART A SAFETY DATA SHEET

RegenOx® – Part A (Oxidizer Complex)

Material Safety Data Sheet (MSDS)

Last Revised: September 27, 2013

Section 1 – Supplier Information and Material Identification

Supplier:

REGENESIS
1011 Calle Sombra
San Clemente, CA 92673
Telephone: 949.366.8000
Fax: 949.366.8090
E-mail: info@regenesis.com

Chemical Description:	A mixture of sodium percarbonate [$2Na_2CO_3 \cdot 3H_2O_2$], sodium carbonate [Na_2CO_3], sodium silicate and silica gel.
Chemical Family:	Inorganic Chemicals
Trade Name:	RegenOx® – Part A (Oxidizer Complex)
Product Use:	Used to remediate contaminated soil and groundwater (environmental applications)

Section 2 – Chemical Information/Other Designations

CAS No.	Chemical	Percentage
15630-89-4	Sodium Percarbonate	60 -100 %
7699-11-6	Silicic Acid	< 1 %
63231-67-4	Silica Gel	< 1 %

Section 3 – Physical Data

Form:	Powder
Color:	White
Odor:	Odorless
Melting Point:	NA
Boiling Point:	NA

Section 3 – Physical Data (cont)

Flammability/Flash Point:	NA
Vapor Pressure:	NA
Bulk Density:	0.9 – 1.2 g/cm^3
Solubility:	Min 14.5g/100g water @ 20 ºC
Viscosity:	NA
pH (3% solution):	≈ 10.5
Decomposition Temperature:	Self-accelerating decomposition with oxygen release starts at 50 ºC.

Section 4 – Reactivity Data

Stability:	Stable under normal conditions
Conditions to Avoid/Incompatibility:	Acids, bases, salts of heavy metals, reducing agents, and flammable substances
Hazardous Decomposition Products:	Oxygen. Contamination with many substances will cause decomposition. The rate of decomposition increases with increasing temperature and may be very vigorous with rapid generation of oxygen and steam.

Section 5 – Regulations

TSCA Inventory Listed:	Yes
CERCLA Hazardous Substance (40 CFR Part 302)	
Listed Substance:	*No*
Unlisted Substance:	*Yes*
SARA, Title III, Sections 313 (40 CFR Part 372) – Toxic Chemical Release Reporting: Community Right-To-Know	
Extremely Hazardous Substance:	No
WHMIS Classification:	C, D2B
Canadian Domestic Substance List:	Appears

Section 6 – Protective Measures, Storage and Handling

Technical Protective Measures

Storage:

Oxidizer. Store in a cool, well ventilated area away from all sources of ignition and out of the direct sunlight. Store in a dry location away from heat and in temperatures less than 40 ˚C.

Keep away from incompatible materials and keep lids tightly closed. Do not store in improperly labeled containers.

Protect from moisture. Do not store near combustible materials. Keep containers well sealed.

Store separately from reducing materials. Avoid contamination which may lead to decomposition.

Handling:

Avoid contact with eyes, skin and clothing. Use with adequate ventilation.

Do not swallow. Avoid breathing vapors, mists or dust. Do not eat, drink or smoke in the work area.

Label containers and keep them tightly closed when not in use.

Wash hands thoroughly after handling.

Personal Protective Equipment (PPE)

Engineering Controls:

General room ventilation is required if used indoors. Local exhaust ventilation, process enclosures or other engineering controls may be needed to maintain airborne levels below recommended exposure limits. Avoid creating dust or mists. Maintain adequate ventilation at all times. Do not use in confined areas. Keep levels below recommended exposure limits. To determine actual exposure limits, monitoring should be performed on a routine basis.

Respiratory Protection:

For many conditions, no respiratory protection is necessary; however, in dusty or unknown conditions or when exposures exceed limit values a NIOSH approved respirator should be used.

Hand Protection:

Wear chemical resistant gloves (neoprene, rubber, or PVC).

Section 6 – Protective Measures, Storage and Handling (cont)

Eye Protection:	Wear chemical safety goggles. A full face shield may be worn in lieu of safety goggles.
Skin Protection:	Try to avoid skin contact with this product. Chemical resistant gloves (neoprene, PVC or rubber) and protective clothing should be worn during use.
Other:	Eye wash station.
Protection Against Fire & Explosion:	Product is non-explosive. In case of fire, evacuate all non-essential personnel, wear protective clothing and a self-contained breathing apparatus, stay upwind of fire, and use water to spray cool fire-exposed containers.

Section 7 – Hazards Identification

Potential Health Effects	
Inhalation:	Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath, and irritations to mucous membranes, nose and throat.
Eye Contact:	Causes irritation, redness and pain.
Skin Contact:	Causes slight irritation.
Ingestion:	May be harmful if swallowed (vomiting and diarrhea).

Section 8 – Measures in Case of Accidents and Fire

After Spillage/Leakage:	Eliminate all ignition sources. Evacuate unprotected personnel and never exceed any occupational exposure limit. Shovel or sweep spilt material into plastic bags or vented containers for disposal. Do not return spilled or contaminated material to the inventory.
Extinguishing Media:	Water
First Aid	
Eye Contact:	Flush eyes with running water for at least 15 minutes with eyelids held open. Seek a specialist.
Inhalation:	Remove affected person to fresh air. Seek medical attention if the effects persist.
Ingestion:	If the individual is conscious and not convulsing, give two-four cups of water to dilute the chemical and seek medical attention immediately. **Do Not** induce vomiting.

Section 8 – Measures in Case of Accidents and Fire (cont)

Skin Contact:	Wash affected areas with soap and a mild detergent and large amounts of water.

Section 9 – Accidental Release Measures

Precautions:	
Cleanup Methods:	Shovel or sweep spilt material into plastic bags or vented containers for disposal. Do not return spilled or contaminated material to the inventory.

Section 10 – Information on Toxicology

Toxicity Data	
LD50 Oral (rat):	2,400 mg/kg
LD50 Dermal (rabbit):	Min 2,000 mg/kg
LD50 Inhalation (rat):	Min 4,580 mg/kg

Section 11 – Information on Ecology

Ecology Data	
Ecotoxicological Information:	NA

Section 12 – Disposal Considerations

Waste Disposal Method	
Waste Treatment:	Dispose of in an approved waste facility operated by an authorized contactor in compliance with local regulations.
Package (Pail) Treatment:	The empty and clean containers are to be recycled or disposed of in conformity with local regulations.

Section 13 – Shipping/Transport Information

D.O.T. Shipping Name:	Oxidizing Solid, N.O.S. [A mixture of sodium percarbonate [$2Na_2CO_3 \cdot 3H2O_2$], sodium carbonate [Na_2CO_3], sodium silicate and silica gel.]
UN Number:	1479
Hazard Class:	5.1
Labels:	5.1 (Oxidizer)
Packaging Group:	III

Section 14 – Other Information

HMIS® Rating	Health – 1 (slight)	Reactivity – 1 (slight)
	Flammability – 0 (none)	Lab PPE – goggles, gloves, and lab coat

HMIS® is a registered trademark of the National Painting and Coating Association.

Section 15 – Further Information

The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information become available. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

REGENOX PART B SAFETY DATA SHEET

SAFETY DATA SHEET

1. Identification

Product identifier **RegenOx® Part B**

Other means of identification None.

Recommended use Soil and Groundwater Remediation.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Regenesis

Address 1011 Calle Sombra
San Clemente, CA 92673 USA

General information 949-366-8000

E-mail CustomerService@regenesis.com

Emergency phone number For Hazardous Materials Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:

USA, Canada, Mexico 1-800-424-9300

International 1-703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation — Category 2
Serious eye damage/eye irritation — Category 2A

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement Causes skin irritation. Causes serious eye irritation.

Precautionary statement

Prevention Wash thoroughly after handling. Wear protective gloves. Wear eye/face protection.

Response If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Silicic Acid, Sodium Salt, Sodium Silicate	1344-09-8	25-40
Silicon dioxide (amorphous silica gel)	63231-67-4	<10

Ferrous sulfate	7720-78-7	2-5

Composition comments All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation Move to fresh air. Keep victim at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Spray mist may irritate the respiratory system. Symptoms may include coughing, difficulty breathing and shortness of breath.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed. Combustion products may include: silicon oxides, metal oxides, sulfur oxides.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store in a cool, dry, well-ventilated place. Maintain storage temperatures between 50°F to 140°F (10°C to 60°C). Store away from incompatible materials (see Section 10 of the SDS). Recommended storage containers: steel or plastic. Do not use containers made of aluminum, fiberglass, copper, brass, zinc or galvanized containers.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silicon dioxide (amorphous silica gel) (CAS 63231-67-4)	TWA	0.8 mg/m3
		20 mppcf

US. ACGIH Threshold Limit Values

Components	Type	Value
Ferrous sulfate (CAS 7720-78-7)	TWA	1 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ferrous sulfate (CAS 7720-78-7)	TWA	1 mg/m3
Silicon dioxide (amorphous silica gel) (CAS 63231-67-4)	TWA	6 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection To avoid contact with eyes, wear chemical goggles or shielded safety glasses.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Skin protection

Other Wear appropriate chemical resistant clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Recommended use: Wear NIOSH approved respirator appropriate for airborne exposure at the point of use.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Green to dark blue.

Odor Odorless.

Odor threshold Not available.

pH 11 (10% solution/water)

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.2 - 1.4
Solubility(ies)	
Solubility (water)	Miscible.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	< 10,000cP

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Hydrogen fluoride. Fluorine. Oxygen difluoride. Chlorine trifluoride. Strong acids. Strong bases. Oxidizers. Aluminum metal. Copper. Brass. Zinc. Galvanized metals.
Hazardous decomposition products	Thermal decomposition or combustion may produce: silicon oxides, metal oxides, sulfur oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful. Spray mists may cause respiratory tract irritation.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion may cause irritation and malaise.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Inhalation may irritate lungs causing coughing and/or shortness of breath.

Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Silicon dioxide (amorphous silica gel) (CAS 63231-67-4) 3 Not classifiable as to carcinogenicity to humans.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	This product is water soluble and may spread in the water system.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ferrous sulfate (CAS 7720-78-7) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Ferrous sulfate (CAS 7720-78-7)

US. New Jersey Worker and Community Right-to-Know Act

Ferrous sulfate (CAS 7720-78-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Ferrous sulfate (CAS 7720-78-7)

US. Rhode Island RTK

Ferrous sulfate (CAS 7720-78-7)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 02-April-2015

Revision date 19-November-2017

Version # 03

Further information HMIS® is a registered trade and service mark of the American Coatings Association (ACA).

HMIS® ratings Health: 2
Flammability: 0
Physical hazard: 0

NFPA ratings

Disclaimer

Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

REAGENT SPECIFICATION SHEET

RegenOx® Technical Description

Close up of RegenOx

RegenOx is an advanced chemical oxidation technology that destroys contaminants through powerful, yet controlled chemical reactions. This product maximizes *in situ* chemical oxidation (ISCO) performance through use of a two-part product system; a sodium percarbonate oxidizer complex activated by a patented surface catalyst system. The technology degrades pollutants through direct oxidation, as well as through the generation of a suite of free radical compounds which in turn oxidize recalcitrant contaminants. RegenOX rapidly and effectively destroys a range of target contaminants including petroleum hydrocarbons and chlorinated compounds.

RegenOx is especially effective in destroying target contaminants present in high concentration source areas within the saturated and vadose zones. For petroleum hydrocarbon treatment, RegenOx produces oxygen as a result of its reactions, providing seamless transition from ISCO to enhanced aerobic bioremediation. RegenOx produces minimal heat when applied, and continues to destroy contaminants for up to 30 days on a single application. RegenOx is safe for use in direct contact with underground utilities, since it is non-corrosive to concrete and most metals.

$$C_2Cl_4 + 4/3\ Na_2CO_3 \bullet 2H_2O_2 + 4NaOH \rightarrow 2CO_2 + 4NaCl + 4H_2O + 4/3\ Na_2CO_3$$

- Free Radical Oxidation via production of:
  - Perhydroxyl Radical ($HO_2\bullet$)
  - Hydroxyl Radical ($OH\bullet$)
  - Superoxide Radical ($O_2^-\bullet$)

For a list of treatable contaminants with the use of RegenOx, view the Range of Treatable Contaminants Guide

Chemical Composition – Part A Oxidant

- Sodium Percarbonate – CAS #15630-89-4
- Sodium Carbonate Monohydrate - CAS #5968-11-6
- Silicic Acid – CAS #7699-11-6
- Silica Gel – CAS #63231

Chemical Composition – Part B Activator Complex

- Silicic Acid, Sodium Salt, Sodium Silicate - CAS#1344-09-08
- Silica Gel – CAS #63231
- Ferrous Sulfate – CAS #7720-78-7
- Water – CAS#7732-18-5

Properties

- Bulk Density – Part A 0.9-1.2 g/cm3; Part B – 1.39 g/cm3
- pH - 10-11 per recommended mixing ratios (3-5% oxidant in solution)
- Solubility – Oxidant - 14.5 g/100 g water; Activator – miscible in water
- Appearance – Brown to orange-brown when mixed with water
- Odor – Not detectable
- Vapor Pressure – None
- Non-hazardous

RegenOx® Technical Description

Storage and Handling Guidelines

Storage
Store in a cool, dry place out of heat/direct sunlight
Store at temperatures not to exceed 40°C/104°F
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Protect from contamination
Provide appropriate exhaust ventilation in places where dust is formed

Handling
Minimize dust generation and accumulation
Observe good industrial hygiene practices
Keep away from clothing and combustible materials
Take any precaution to avoid mixing with combustibles
Avoid contact with eyes
Do not taste or swallow
Do not eat, drink or smoke nearby
Wear appropriate personal protective equipment
Wash hands thoroughly after handling
Avoid release to the environment

Applications

RegenOx is applied using direct-injection techniques or wells. The application process enables the two- part product to be combined, then pressure-injected into the zone of contamination and moved out into the aquifer media. Application instructions for this product are contained in the RegenOx Application Instructions Guide.

Health and Safety

Material is relatively safe to handle; however, we recommend avoiding contact with eyes, skin and clothing. OSHA Level D personal protection equipment including vinyl or rubber gloves, eye protection and dust mask are recommended when handling this product. Please review the Material Safety Data Sheet for additional storage, packaging, usage, and handling requirements here: RegenOx Part A SDS and RegenOx Part B SDS.

REGENESIS

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

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MEMO FROM STATE TOXICOLOGIST

SC DEPARTMENT *of* ENVIRONMENTAL SERVICES

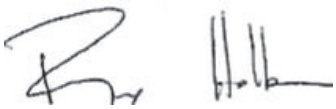
Trevor Hudson
Environmental Engineer
EnviroSouth
3440 Augusta Road
Greenville, SC 29605

Dear Mr. Hudson,

I have conducted a review of the RegenOx specification sheet and Safety Data Sheets provided in email correspondence. Sodium Percarbonate, the primary oxidizing agent in the product, would be expected to release hydrogen peroxide when injected in groundwater. The addition of the sodium silicate and ferrous sulfate activator would enable additional oxidation reactions that should break down any organic compounds present in the aquifer, including petroleum hydrocarbons.

Neither the sodium persulfate nor activator solution would be expected to substantially contribute to the degradation of the quality of off-Site groundwater used for drinking water or released in the aquatic receiving environment.

Don't hesitate to contact me at 803-608-0875 or by email at ray.holberger@des.sc.gov if you have any questions or comments concerning this review.



Ray Holberger
Environmental Risk Specialist

cc'd:
Fran Marshall – Environmental Affairs, Environmental Public Health,
Courtney Milledge - Bureau of Water, Groundwater Protection Division

TAX MAP INFORMATION

Greenville County, SC

December 20, 2024

1:480

0 20 40 80 ft

0 5 10 20 m

Greenville County GIS Division, Greenville, South Carolina, Greenville County GIS Division, Greenville County, South Carolina GIS Division

Disclaimer: This Map is not a LAND SURVEY and is for reference purposes only. Data contained in this map are prepared for the inventory of Real Property found within this jurisdiction, and are

HEALTH AND SAFETY PLAN

Prepared for submittal to:

South Carolina Department of Environmental Services
UST Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

SITE-SPECIFIC HEALTH AND SAFETY PLAN

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST Site ID No. 12430

Job No. 3570

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

Prepared for submittal to:

South Carolina Department of Environmental Services
UST Program
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Attention: Mr. Adam Looper

SITE-SPECIFIC HEALTH AND SAFETY PLAN
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST Site ID No. 12430

EnviroSouth Job No. 3570

Prepared by:

William H. Lyons, P.G.
Senior Hydrogeologist
S.C. Registration No. 2705

Reviewed by:

Keigan K. Mennetti, P.E.
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December 20, 2024

Disclaimer

ENVIROSOUTH, INC. DOES NOT GUARANTEE THE HEALTH OR SAFETY OF ANY PERSON ENTERING THIS SITE. DUE TO THE POTENTIAL HAZARDS OF THIS SITE AND THE ACTIVITY OCCURRING THEREON, IT IS NOT POSSIBLE TO DISCOVER, EVALUATE, AND PROVIDE PROTECTION FOR ALL POSSIBLE HAZARDS WHICH MAY BE ENCOUNTERED. STRICT ADHERENCE TO THE HEALTH AND SAFETY GUIDELINES SET FORTH HEREIN WILL REDUCE, BUT NOT ELIMINATE, THE POTENTIAL FOR INJURY AT THIS SITE. THE HEALTH AND SAFETY GUIDELINES IN THIS PLAN WERE PREPARED SPECIFICALLY FOR THIS SITE FOR USE UNDER DIRECT ENVIROSOUTH SUPERVISION AND SHOULD NOT BE USED ON ANY OTHER SITE.

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PERSONNEL LOG

SUPERVISOR'S INVESTIGATION REPORT

EQUIPMENT CALIBRATION LOG

1.0 EMERGENCY PHONE NUMBERS

Site Name: Westside Quick Stop
Address: 821 W. Parker Road
City, State: Greenville, South Carolina
Site Contact: Ankur Patel
Phone: 864-354-1729

In case of emergency, the following phone numbers should be used. Site personnel should familiarize themselves with the location of the nearest telephones. The Emergency Action Plan is contained in Section 8.0.

NOTE: When contacting the local authorities be sure to give: your name, facility name, full address, telephone number, and the nature of the emergency.

Local Fire Department, Ambulance, Police Department:	911
Poison Control Center:	(800) 343-2722
SCDES Spill Reporting:	(888) 481-0125
National Response Center:	(800) 424-8802

Local Hospital:

Prisma Health Greenville Memorial Hospital
701 Grove Road
Greenville, South Carolina 29605

Hospital Telephone: 864-455-7000

Distance to Prisma Health Greenville Memorial Hospital is approximately 5.2 miles (est. 13 minutes)

A map showing the route to Prisma Health Greenville Memorial Hospital is attached as Figure 3.

2.0 INTRODUCTION

2.1 Purpose and Scope

This Site-Specific Health and Safety Plan (HASP) addresses the health and safety practices that will be employed by all EnviroSouth personnel and our subcontractors participating in enhanced aggressive fluid vapor and recovery (AFVR) remedial activities at the site. Potential contaminants principally include petroleum compounds and sodium percarbonate (injectate).

This HASP has been developed in accordance with EnviroSouth's Corporate Safety and Health Program as required under OSHA's Hazardous Waste Operations standard (29 CFR 1910.120). As previously mentioned, this plan has been developed to establish minimum standards for project oversight and enhanced AFVR-related activities to protect the health and safety of EnviroSouth personnel and EnviroSouth's subcontractors. All EnviroSouth site personnel have received the required level of training and field experience as required under subpart (e) of the standard and have received medical examinations in accordance with EnviroSouth's medical surveillance program as required under subpart (f) of the standard. Non-EnviroSouth personnel will not be permitted in the Exclusion Zones unless they have received training and medical surveillance under the standard.

This plan is to be used only for project oversight and enhanced AFVR-related activities conducted by EnviroSouth and EnviroSouth's subcontractors. All EnviroSouth personnel and EnviroSouth's subcontractors shall be familiar with this HASP prior to conducting proposed site work. This plan must be present on-site and be available for reference/inspection when the subject site work is being conducted.

2.2 General Information

Site Name:	Westside Quick Stop
Site Address:	821 W. Parker Road Greenville, South Carolina
Site Contact:	Ankur Patel
Phone Number:	864-354-1729

2.3 Site Description

The property is located at 821 W. Parker Road, Greenville, South Carolina. The property is in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road and W. Blue Ridge Drive.

The site is an active gasoline station and convenience store with a parking lot.

2.4 Personnel Designations

The EnviroSouth personnel listed on Table 1 are designated to perform the stated project activities and to assure that the requirements of the HASP are met. No investigation activities shall be performed within the Areas of Environmental Concern (AOEC) unless EnviroSouth's Health and Safety Officer (HSO) or Alternate is present. Personnel assignments are listed in Table 1.

3.0 AREAS OF ENVIRONMENTAL CONCERN

3.1 Scope of Work

In general, the work to be performed by EnviroSouth and EnviroSouth's subcontractors consists of three (3) applications of a sodium percarbonate-based solution into one hundred and forty-seven (147) temporary injection wells and post-injection AFVR in the vicinity of the current tank basin.

4.0 HAZARD ANALYSIS

The overall health & safety risk from environmental investigation activities is considered moderate because of the number of potential hazardous constituents identified on-site. It is anticipated that EnviroSouth personnel and subcontractors may come in contact with the chemical solution that is being used for in-situ chemical oxidation at Westside Quick Stop.

4.1 Physical, Chemical and Environmental Hazards

Table 2 provides a list of chemical substances potentially present on site along with odor threshold, permissible exposure limit (PEL), threshold limit value (TLV), OSHA ceiling, immediately dangerous to life or health (IDLH) concentration, route of exposure, and symptoms of acute exposure, if any.

See the Hazard Analysis Summary presented in Table 3 for a listing of the various hazards related to project environmental investigation activities and proposed methods to minimize these risks.

4.2 Confined Space Entry

EnviroSouth personnel are authorized and trained to enter confined spaces. No confined space entry is planned for the current work plan at the Westside Quick Stop site. If the need for confined space arises the health and safety plan may be revised, and an entry permit will be written.

4.3 Monitoring Procedures

The following environmental monitoring instruments/procedures shall be used on-site at the specified intervals.

Instrument/Procedure	Sampling Interval
Photoionization Detector (PID) in the breathing zone	Periodically as deemed by HSO

Background ambient air levels will be established outside the exclusion zone prior to commencement of site work. Ambient air sampling will occur in the breathing zone of site workers for comparison to the action levels (described below). Additionally, air sampling will be conducted in the vicinity of any intrusive exploration (i.e., near excavations, test borings, etc.) to determine if any contaminants are present.

The following Action Levels will be used:

Instrument	Action Level	Level of Protection or Action Required
PID	No reading above background	▪ No action required. ▪ Continue PID monitoring. ▪ Level D protection.
PID	Up to 100 ppm above background	▪ Evacuate exclusion zone. ▪ Recheck levels after 15 minutes. ▪ If levels are sustained, contact Health and Safety Manager. ▪ Use engineering controls to lower breathing zone vapors. ▪ Level C protection (at the Health & Safety Manager's direction).
PID	>100 ppm above background	▪ Evacuate exclusion zone. ▪ Recheck levels after 15 minutes. ▪ Use engineering controls to lower breathing zone vapors. ▪ If levels are sustained, contact Health and Safety Manager, and re-evaluate HASP.

When an action level is equaled or exceeded, the work area should be evacuated, and the area re-tested with the sampling device. If the appropriate action level continues to be exceeded, the HSO will assess the use of engineering controls to lower vapor levels or availability of required increased personal protection equipment before authorizing re-entry.

Calibration of all instruments will occur at least once per day. A calibration log has been included in the appendices.

5.0 ENGINEERING CONTROL MEASURES

5.1 Air Monitoring

In order to determine potential health hazards and to determine the level of personal protection needed during sampling activities within the areas of concern, a photo-ionization detector will be periodically operated to monitor air quality for the purpose of ensuring minimal exposure to volatile organic compounds. Please refer to Section 4.3 of this plan for specific air monitoring procedures/action levels.

5.2 Protective Zones

Protective zones specific for each phase of the plan will be established by the Health and Safety Officer prior to the start of field work associated with those phases of the plan. The purpose of the protective zones is to prevent potential cross-contamination of adjacent areas as well as to protect project personnel from exposure to contaminated areas.

Protective zones shall be delineated in the field prior to work as follows:

- *Exclusion Zone*: This is the contaminated area in which intrusive activities are performed. The exclusion zone is an area surrounding the mixing tank, chemical storage area, and active injection well-field. A single access point for entrance and exit should be established and maintained, if possible.

- *Support Zone*: This zone will be utilized by equipment and vehicle storage and will be kept free of contaminated material. The Site Safety Officer will determine the location of this zone.

- *Contaminant Reduction Zone*: This zone is a transition zone located between the Exclusion Zone and the Support Zone and is utilized to decontaminate personnel and equipment.

6.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

6.1 Level of Protection

As previously discussed in Section 4.0, the overall health and safety risk associated with chemical hazards for EnviroSouth and EnviroSouth's subcontractors is considered moderate. This is primary because of the number of potential hazardous constituents identified on-site. It is anticipated that EnviroSouth personnel and subcontractors may come in contact with chemical solution that is being used for in-situ chemical oxidation at the Westside Quick Stop facility. Therefore, the minimal level of protection for EnviroSouth and EnviroSouth's subcontractors during the conduct of the work performed at the site will be level D and consist of the personal protective equipment listed in Table 4. Level D PPE will be required for all workers present at all stations except for the mixing station. Personnel responsible for chemical mixing will be required to utilize modified Level C protection including the use of a full-face respirator with appropriate acid gas cartridges.

If site conditions warrant, the level of protection will be upgraded to Level C (refer to Section 4.3 for the appropriate action levels).

If it is determined protection beyond Level C is required, EnviroSouth will re-evaluate the HASP as well as the site conditions and may revise the HASP, as necessary.

7.0 DECONTAMINATION

7.1 Decontamination Procedures

All personnel and equipment leaving the exclusion zone must be properly cleaned and decontaminated. When there is evidence of chemical contamination during the site operations, all personnel will be decontaminated under the direction of the HSO. Cleanup and/or decontamination of personnel shall consist of washing off excessively soiled PPE with an Alconox detergent scrub and water. At the very least, all personnel should wash their hands and face before leaving the exclusion zone. After washing, all disposable clothing (tyvek, gloves, etc.) will be removed and placed in a double lined plastic bag.

Sampling tools and any other non-disposable items will be decontaminated between sampling points, and at the direction of the EnviroSouth Project Manager, to prevent cross contamination of work areas or environmental samples.

All injection equipment will be decontaminated prior to and between installation of temporary injection wells.

7.2 Emergency Decontamination

If immediate medical attention is required in an emergency, decontamination will be performed after the victim has been stabilized. If a worker has been exposed to an extremely toxic or corrosive material, then emergency decontamination will consist of flushing with copious amounts of water. If the victim can not be decontaminated because it will interfere with emergency medical aid being administered, then the victim should be wrapped with plastic or other available items (i.e., an uncontaminated coverall) to reduce potential contamination of other personnel or medical equipment.

If a site worker has been overcome by a heat related illness, then any protective clothing should be removed immediately. In the case of non-medical emergency

evacuation, decontamination should be performed as quickly as possible, unless instant evacuation is necessary to save life or prevent injury.

8.0 EMERGENCY ACTION PLAN

In the event of a worker injury, fire, explosion, spill, flood, or other emergency that threatens the safety and health of site workers, the following procedure will be followed.

1. If the emergency originates within the work area covered by this plan, EnviroSouth's HSO shall act as the Emergency Coordinator. The emergency evacuation signal is an air horn or a loud yell. All emergency situations (including worker injuries, no matter how small) will be reported to the HSO, who will determine the appropriate emergency response, up to and including evacuation. Only the HSO may initiate evacuation of the work area. The HSO will be responsible for reporting any emergency situation to the appropriate authorities using a telephone or other appropriate method.

2. In the case of an evacuation, site workers will exit the site along the safest route(s) and assemble with team members at the rally point (Figure 2). Those workers in the Exclusion Zone will follow the emergency decontamination procedures outlined in Section 7.2. Accounting of all site personnel will be conducted by the HSO using the personnel log at a location determined by the HSO.

3. EnviroSouth personnel are not permitted to participate in handling the emergency. Fire and medical emergencies will be handled by the local fire department and ambulance service. In the case of a spill of hazardous materials, the following commercial spill clean-up firm should be contacted:

   VLS Recovery Services, LLC
   Spartanburg, South Carolina
   Phone: 864-583-2717

   In addition, the HSO/Project Manager must advise the site contact that the South Carolina Department of Health and Environmental Control Oil and Chemical Spill section should be contacted and, if the spill quantity is greater than the Reportable Quantity (RQ) under CERCLA and/or SARA, the National Response Center and Local Emergency Planning Committee should also be contacted.

If the spill begins to flow over land and threatens to contaminate a storm drain or surface water, EnviroSouth personnel may attempt to contain and isolate the spill using any available resources, but only if, in the judgement of the HSO, such action will not expose the workers to dangerous levels of hazardous substances and is necessary to preserve life or property.

4. Once initial emergency procedures to protect worker safety and health and to control the emergency have been completed, the HSO will apprise the site contact and the EnviroSouth Health and Safety Manager of the nature of the emergency and the control actions taken. The HSO will also complete a Supervisor's Investigation Report form (a blank investigation report form is included in the appendices) and submit this form to EnviroSouth's Project Manager and Health and Safety Manager within 24 hours.

5. All site workers will be familiarized with the above procedures during the pre-entry briefing to be conducted before site work begins.

9.0 TRAINING/MEDICAL SURVEILLANCE

9.1 Training Requirements

All EnviroSouth and EnviroSouth subcontractor personnel who enter the work zone and/or Exclusion Zone must have successfully completed the 40-hour or 24-hour training requirement outlined in 29 CFR 1910(e). If the 40-hour or 24-hour training of any person occurred more than 12 months prior to commencement of work, then that person must have attended an 8-hour refresher course within the 12 months prior to commencement of work. If respirators are in use in the Exclusion Zone, then all personnel must have undergone respirator training and a fit test within the last 12 months. Training certificates and records for each EnviroSouth employee are on file at EnviroSouth. EnviroSouth subcontractors will be required to supply written proof of training before being allowed in the Exclusion Zone.

9.2 Pre-Entry Briefing

Prior to commencement of work in area of suspected contamination, EnviroSouth's Health and Safety officer will conduct a pre-entry briefing with on-site drilling representatives to include:

- Name of the HSO and person responsible for the personnel log.
- Description of the parcel as well as location of emergency telephones and the location/boundaries of the Exclusion Zone, Contamination Reduction Zone, and Support Zone, if established.
- Review of hospital location and directions.
- Review of tasks to be conducted within the parcel by the Contractor's personnel.
- Review of the Emergency Action Plan and rally point (Figure 2), including the nearest emergency communications and telephone numbers.
- The nature, level, and degree of anticipated hazards (physical, chemical, environmental, etc.) involved in the site work.
- Required personal protective equipment.

- Decontamination procedures.

The HSO should also, at this time, ensure that all on-site EnviroSouth personnel and EnviroSouth subcontractor personnel have read the HASP and signed the last page of the original (Section 11.0). If additional information on the site becomes available, the HSO will call additional briefings, as necessary.

10.0 AUTHORIZATIONS

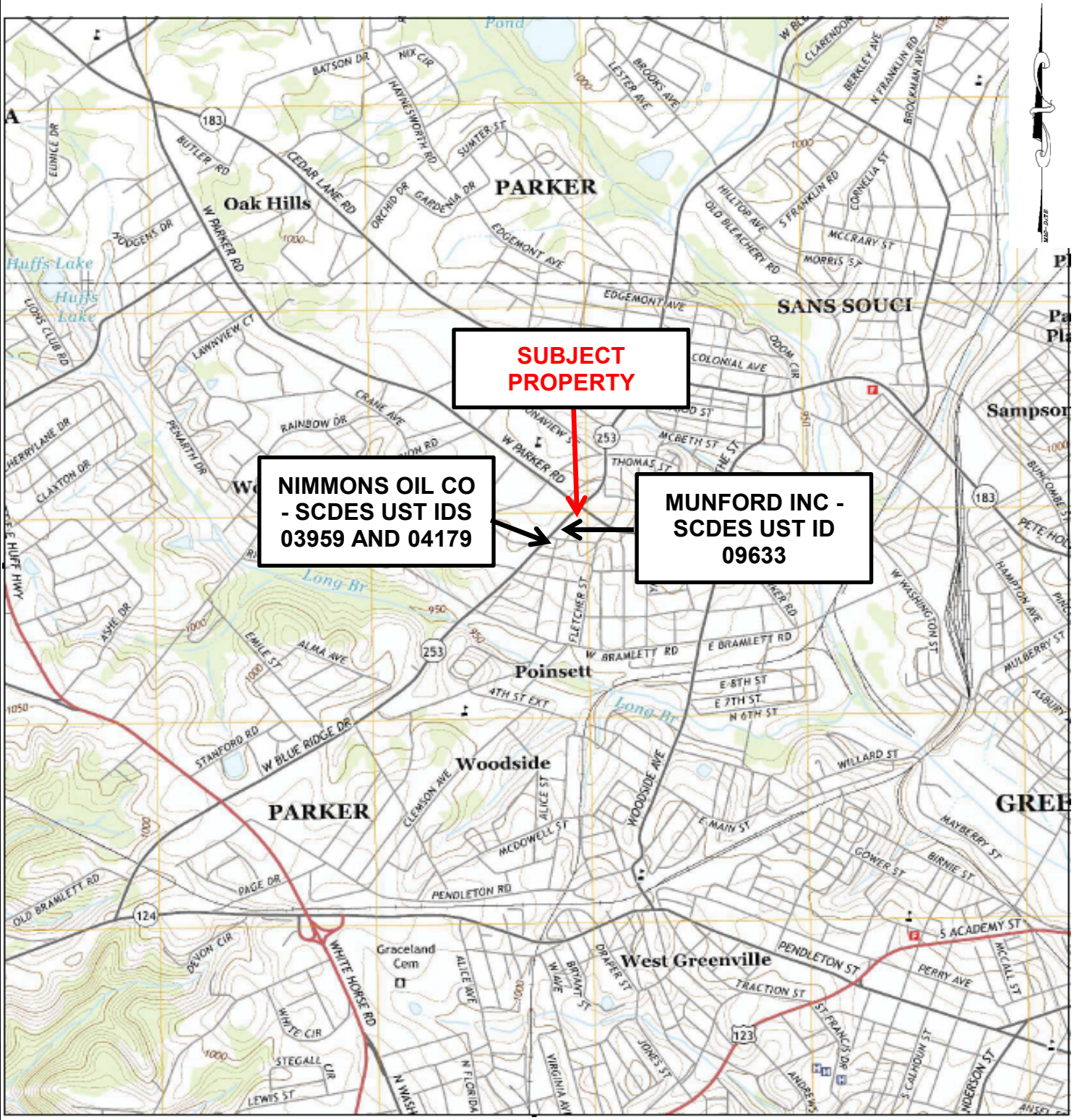
Personnel authorized to enter the Exclusion Zone include the personnel listed in Table 1. Persons not listed in Table 1 may enter the exclusion Zone only if the appropriate training and medical fitness certifications have been supplied to either the EnviroSouth Project Manager or the Health and Safety Manager and the HSO or their designee on-site has approved site entry. All personnel entering or leaving the Exclusion Zone must sign in and sign out with the recordkeeper.

11.0 FIELD TEAM REVIEW

All EnviroSouth and EnviroSouth subcontractor personnel shall sign below after reading the HASP and before entering any exclusion zones as set forth by the contractor's site safety officer. Personnel shall agree with the following statement:

"I have read and understand this Site-Specific Health and Safety Plan. I will comply with the provisions set forth therein."

Printed Name	Signature	Date



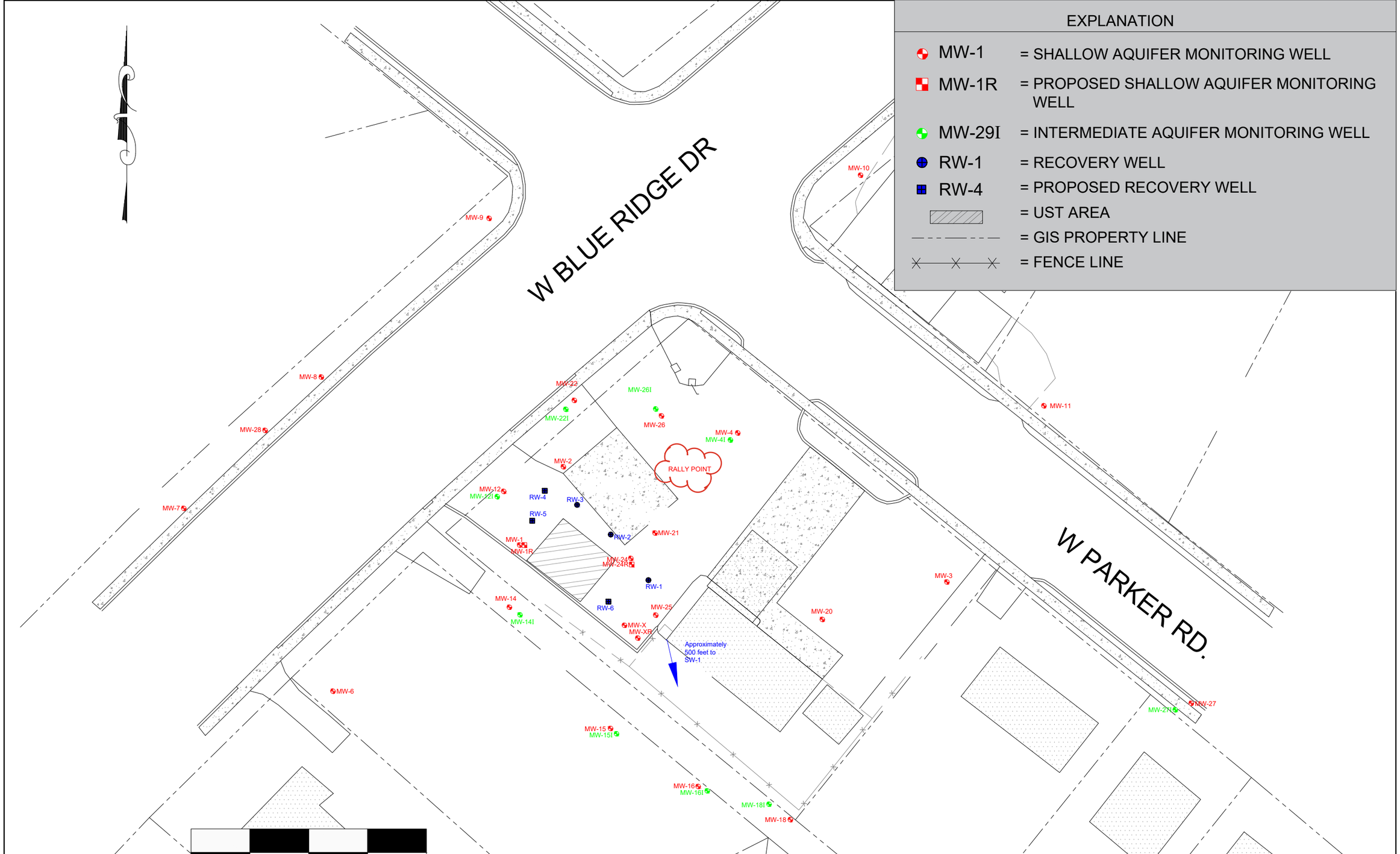
SOURCE: USGS 7.5' QUADRANGLE MAP 2014, GREENVILLE, SC

ENVIROSOUTH
Environmental Consultants

SITE VICINITY MAP

COMMERCIAL PROPERTY
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA
SCDES UST ID NO. 12430

JOB NO.: 3570	CHECKED BY: KM	FIGURE: 1
SCALE: NOT SHOWN	DRAWN BY: BD	DATE: 11/21/2024



DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	12/20/2024	BD	TFD	AS SHOWN	3570	2

ENVIROSOUTH Environmental Consultants

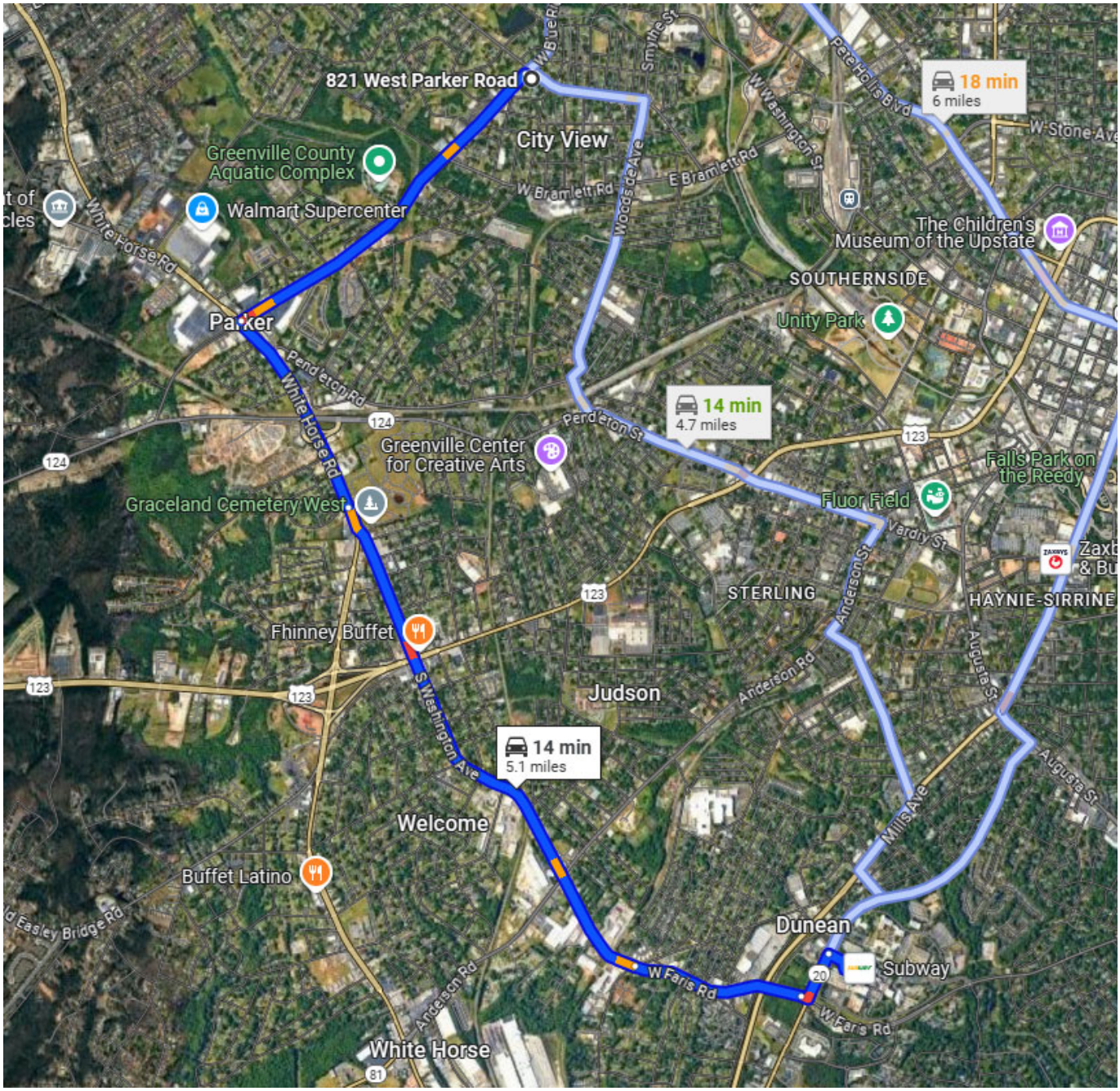
SITE MAP

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

FIGURE 3

MAP AND ROUTE TO PRISMA HEALTH GREENVILLE MEMORIAL HOSPITAL

701 Grove Road
Greenville, South Carolina
864-455-7000



Directions from Westside Quick Stop to Prisma Health Greenville Memorial Hospital (total distance = 5.1 miles):

1. Head west to W. Blue Ridge Drive for 115 feet.
2. Turn left onto W. Blue Ridge Drive and continue for 1.3 miles.
3. Turn left onto White Horse Road and continue 0.8 miles.
4. Take a slight left onto N. Washington Avenue and continue 2.0 miles.
5. Stay straight onto W. Faris Road and continue 0.6 miles.
6. Turn left onto Grove Road and continue 0.2 miles.
7. Prisma Health Greenville Memorial Hospital will be on the right.

TABLE 1 PERSONNEL ASSIGNMENTS					
Project Manager	**Health & Safety Officers (HSO)**	**Security Officer (SO) Recordkeeper**	**HSO/SO Designated Alternate**	**Field Team Members**	**Public Information Officer**
Will Lyons	Trevor Hudson	Will Lyons	Will Lyons	Will Lyons Trevor Hudson Allen Meadows Keigan Mennetti	Will Lyons
PERSONNEL RESPONSIBILITIES					
• General project supervisor and director of hazardous waste operations	• Implementation of HASP • Stop work if poor work practices or conditions endanger worker health & safety • Act as Emergency Coordinator if necessary • Provide pre-entry briefing	• Maintain site records • Enforce site control program	• Perform HSO/SO duties if so designated	• Perform site work tasks • Supervision of subcontractors • Mixing of chemical solution • Supervision of pumping activities	• Provide public information as necessary

TABLE 2

CHEMICAL HAZARDS KNOWN OR SUSPECTED ON-SITE

CONTAMINANT	ODOR THRESHOLD	OSHA PEL[1]	TLV (ACGIH)	OSHA CEILING[2] /STEL	IDLH CONC.	ROUTES OF EXPOSURE	SYMPTOMS OF ACUTE EXPOSURE[3]
Benzene	4.7 ppm	1 ppm	0.5 ppm	5 ppm	[500] ppm	Inh, Ing, Abs, Con	Irrit Eyes, Nose, Throat; Head, Nau, Derm, Ftg, Anor, Lass
Ethylbenzene	870 ppm	100 ppm	100 ppm	125 ppm	700 ppm	Inh, Abs, Con	Head. Irrit, Derm, Marc., Irrit Eyes, Skin, Coma
1,2-Dichloroethane	26 ppm	50 ppm	10 ppm	2 ppm	50 ppm	Inh, Abs	Narco, Nau, vomit
Methyl-tert-butyl ether (MTBE)	---	---	50 ppm	---		Inh, Abs	
Naphthalene	0.084 ppm	10 ppm	10 ppm		250 ppm	Inh, Abs, Ing, Con	Eye Irritation; Headache; Confusion, Excitement, Malaise (vague feeling of ill-being); Nausea, Vomiting, Abdominal Pain; Irritated Bladder; Profuse Sweating; Renal Shutdown; Dermatitis
Toluene	2.14 ppm	200 ppm	50 ppm	300 ppm	500 ppm	Inh, Abs, Ins, Con	Resp, Irrit, Ftg, Conf, Dizz, Head, Derm, Euph, Head, Dilated Pupils, Lac, Ner, Musc FTs, Insom, Pares, Derm, Lass
Xylene	4.5 mg/m^3	100 ppm	100 ppm	150 ppm	900 ppm	Inh, Ing, Abs, Con	Dizz, Drow, Irrit, Excite, Nau, Vomit, Eyes, Skin, Nose, Throat
EDB	76.8 mg/m^3	20 ppm		30 ppm		Inh, Abs	Resp. Irr, Eye Irr. [Carc]

TABLE 2

CHEMICAL HAZARDS KNOWN OR SUSPECTED ON-SITE

CONTAMINANT	ODOR THRESHOLD	OSHA PEL[1]	TLV (ACGIH)	OSHA CEILING[2] /STEL	IDLH CONC.	ROUTES OF EXPOSURE	SYMPTOMS OF ACUTE EXPOSURE[3]
RegenOx®	Not Available	--	--	--	--	Inh, ing, Abs	Skin irritation, allergic skin reaction, serious eye irritation, allergy or asthma symptoms or breathing difficulties, respiratory irritation

NOTES

[1]PEL = Permissible Exposure Limit. If no PEL is available, then the NIOSH Threshold Limit Value (TLV) should be used, if available.

[2]Ceiling limit or Short-Term Exposure Limit (STEL), if available. Again, the NIOSH TLV may be used if no OSHA standard exists.

[3]Abbreviations are contained on the next page

ABBREVIATIONS

abdom = Abdominal
abs = Absorption
aggress = Agressiveness
agit = Agitation
anor = Anorexia
anos = Anosmia (loss of the sense of smell)
Anxi = anxiety
anem – Anemia
aspir = Aspiration
asph – asphyxia
bron = Bronchitis
[carc] = Potential occupational carcinogen
Card = Cardiac arrhythmias
CNS = Central nervous system
conf = Confusion
constip = Constipation
con = Skin and/or eye contact
conv = Convulsions
corn = Corneal
defat = Defatting
depres = Depressant/Depression
derm = Dermatitis
diarr = Diarrhea
dist = Disturbance
dizz = Dizziness
drow = Drowsiness
dry = Dry mouth
dysp = Dyspnea (breathing difficulty)
emphy = Emphysema
epil-conv = Epileptiform convulsions
eryth = Erythema
euph = Euphoria
fib = Fibrosis
frost = frostbite
ftg = Fatigue
flush = Flushing
GI = Gastrointestinal
head = Headache
hyperpig = Hyperpigmentation
inco = Incoordination
ing = Ingestion
inh = Inhalation
inj = Injury
insom = Insomnia
irrit = Irritation
lac = Lacrimination (discharge of tears)
lass = Lassitude (weakness, exhaustion)
li-head = Lightheadedness
liq = Liquid
low-wgt = Weight loss
mal = Malaise (vague feeling of discomfort)
malnut = Malnutrition
methem = Methemoglobinemia
myo = Myochonic (jerks of limbs)
mg/m = milligrams/cubic meter
muc memb = Mucous membrane
narco = Narcosis
nau = Nausea
ner = Nervousness
numb = Numbness
optic = Optic nerve damage (blindness)
parap = Paralysis
ppm = Parts per million
pares = Paresthesia
paresi = Paresis
peri neur = Peripheral neuropathy
pneu = Pneumonia
prot = Proteinuria
pulm = Pulmonary
peri neur = Peripheral neuropathy
pneu = Pneumonia
prot = Proteinuria
pulm = Pulmonary
repro = Reproductive
resp = Respiratory
skin sen = skin sensitization
som = Somnolence (sleepiness unnatural drowsiness)
subs = Substernal (occurring beneath the sternum)
stup = Stupor
sys = System
tingle = tingle limbs
trem - Tremors
vis dist = Visual disturbance
vomit = Vomiting
weak = Weakness

TABLE 3

HEALTH AND SAFETY HAZARD ANALYSIS

Description of Hazard	Methods to Identify and Minimize	Potential for Occurrence of Hazard
Activity: Site Mobilization and Utility Clearance		
1. Biological Hazards	• Wear appropriate clothing and tape sleeves and pant cuffs in tick infested areas. • Use insect repellant. • Maintain awareness of surroundings, avoid poisonous plants and areas that may shelter snakes and spiders. • Mow/brush hog, if needed.	Low
2. Slip/Trip/Fall	• Wear appropriate footwear. • Be aware of surroundings. • Maintain safe and orderly work areas. • Unloading areas should be on even terrain. • Identify and repair potential tripping hazards.	Moderate
3. Adverse Weather	• Monitor weather daily. • Discontinue work as necessary based on lightning, limited visibility, impaired mobility, etc.	Moderate
4. Heat/Cold Stress	• Determine probable weather conditions prior to arrival at site. • Wear proper clothing. • Monitoring of yourself and teammates. • Drink plenty of fluids containing electrolytes. • Utilize work breaks as often as necessary. • Avoid working in extreme heat or cold conditions.	Moderate
5. Noise	• Distancing from noise sources. • Wear hearing protection.	Moderate

TABLE 3

HEALTH AND SAFETY HAZARD ANALYSIS

Description of Hazard	Methods to Identify and Minimize	Potential for Occurrence of Hazard
Activity: Injection Well Installation and Sample Collection		
1. Operating Heavy Equipment	• Inspect equipment before operation. • Utilizing proper equipment operation methods. • Maintain safe clearance distances. • Wear appropriate eye/ear protection according to manufacturer's recommendations.	Moderate
2. Utilities	• Complete a Call Before You Dig (CBYD) mark-up prior to the work start date. • Obtain information concerning buried private lines from site contact and clearance of sampling locations from site contact. • Avoid using heavy equipment or drill rig in close proximity to overhead utilities. • Inspect sampling areas for CBYD markings as well as inspecting catch basins and manholes to determine buried pipeline directions prior to sampling. • Avoid sampling within area of pavement cuts that may be indicative of buried lines.	Moderate
3. Inhalation of volatile organic compounds	• Monitor borehole/well with PID. • Implement and strictly adhere to action levels stipulated in air monitoring program for volatile organics. • Wear appropriate protective equipment. • Report potential exposure symptoms immediately. • Utilize engineering controls such as fans.	Moderate

TABLE 3

HEALTH AND SAFETY HAZARD ANALYSIS

Description of Hazard	Methods to Identify and Minimize	Potential for Occurrence of Hazard
Activity: Injection Well Installation and Sample Collection		
4. Contaminant Contact	• Wear appropriate protective clothing (e.g., Tyvek® coveralls, apron, nitrile gloves, safety glasses) when handling samples. • Follow proper decontamination procedures. • Report potential exposure symptoms immediately.	Moderate
5. Slip/Trip/Fall	• Wear appropriate footwear. • Be aware of surroundings. • Maintain safe and orderly work areas. • Unloading areas should be on even terrain. • Identify and repair potential tripping hazards.	Moderate
6. Adverse Weather	• Monitor weather daily. • Discontinue work as necessary based on lightning, limited visibility, impaired mobility, etc.	Moderate
7. Heat/Cold Stress	• Determine probable weather conditions prior to arrival at site. • Wear proper clothing. • Monitoring of yourself and teammates. • Drink plenty of fluids. • Utilize work breaks as often as necessary. • Avoid working in extreme heat or cold conditions. • Set-up fans or heater in the Support Zone.	Moderate
8. Noise	• Distancing from noise sources. • Wear hearing protection.	Moderate

TABLE 3

HEALTH AND SAFETY HAZARD ANALYSIS

Description of Hazard	Methods to Identify and Minimize	Potential for Occurrence of Hazard
Activity: Chemical Injection		
1. Inhalation of volatile organic compounds	• Monitor core with PID. • Implement and strictly adhere to action levels stipulated in air monitoring program for volatile organics. • Wear appropriate protective equipment. • Report potential exposure symptoms immediately. • Utilize engineering controls such as fans.	Moderate
2. Contaminant Contact	• Wear appropriate protective clothing (e.g., Tyvek® coveralls, apron, nitrile gloves, safety glasses) when handling samples. • Follow proper decontamination procedures. • Report potential exposure symptoms immediately. • Person mixing chemicals will wear a respirator.	Moderate
3. Slip/Trip/Fall	• Wear appropriate footwear. • Be aware of surroundings. • Maintain safe and orderly work areas. • Unloading areas should be on even terrain. • Identify and repair potential tripping hazards.	Moderate
4. Adverse Weather	• Monitor weather daily. • Discontinue work as necessary based on lightning, limited visibility, impaired mobility, etc.	Moderate

TABLE 3 HEALTH AND SAFETY HAZARD ANALYSIS		
Description of Hazard	**Methods to Identify and Minimize**	**Potential for Occurrence of Hazard**
Activity: Chemical Injection		
5. Heat/Cold Stress	• Determine probable weather conditions prior to arrival at site. • Wear proper clothing. • Monitoring yourself and teammates. • Drink plenty of fluids. • Utilize work breaks as often as necessary. • Avoid working in extreme heat or cold conditions. • Set-up fans and or heater in the Support Zone.	Moderate
6. Noise	• Distancing from noise sources. • Wear hearing protection.	Moderate

Modified level D personal protective equipment is suitable to protect against the anticipated hazards at this site. This equipment is listed below. ***Prior to entry and periodically throughout the duration of the project, the HSO must confirm that this level of protection is appropriate through air monitoring and evaluation of identified hazards.***

TABLE 4 – PERSONAL PROTECTIVE EQUIPMENT

WORK TASK	MINIMUM PROTECTIVE EQUIPMENT												
	Respirator	Work Clothes	Steel Toe Shoes	Work Gloves	Chem. Resistant Gloves[1]	Safety Glasses	Hearing Protection	Tyvek	Apron	Hard Hat	Face Shield	Fall Protection[2]	Visibility Vest
	SAMPLING/ROUTINE TASKS												
Air Sampling		X	X		X								
Bridge Inspection/Const. Supervision		X	X				X			X			X
Chemical Injection	X	X	X	X	X	X	X	X		X			X
Drilling		X	X		X	X	X			X			
Drum Sampling & Moving		X	X	X	X	X				X	X		
Ground Water Sampling (MW,RW)		X	X		X	X							
Hand Sampling (shovel, auger)		X	X	X	X								
Landfill Sampling (soil, sediment, gw, sw, leachate)		X	X		X	X		X					
Phase 1 Site Inspection		X	X										
Probing		X	X		X	X	X			X			
Product Sampling (RW)		X	X		X	X		X					
Remediation Monitoring (air systems)		X	X		X	X	X						
Remediation Monitoring (water systems)		X	X	X	X	X	X						
Soil Gas Sampling		X	X		X	X							
Stack Testing		X	X		X					X		X	
Stormwater Sampling		X	X		X								
Surface Water Sampling		X	X		X	X							
Surveying		X	X										X
Wastewater Sampling		X	X		X	X							
Wastewater Benchmark Test		X	X		X	X			X		X		
	CHEMICAL HANDLING												
Filling Decon Bottles		X	X			X			X				
Soil Sample Disposal		X	X		X	X							
	POWER EQUIPMENT												
Circular Saw		X	X			X	X						
Concrete Core Machine		X	X	X		X	X						
Drill Press		X	X			X	X						
Generators		X	X	X		X	X						
Industrial Vacuum		X	X	X		X	X						
Pavement Saw		X	X	X		X	X						
Power Equipment (handrills, grinder, etc.)		X	X	X		X	X						
Power Washer		X	X		X	X	X						
Regenerative Blowers/Air Compressors		X	X	X		X	X						
Rotary Percussion Hammer		X	X	X		X	X						
Sawzall		X	X			X	X						

Notes: Minimum protective equipment means the minimally acceptable protective gear to be donned when performing or using the equipment listed above. Additional protective equipment (i.e., respirators) may be required as described in the site-specific health and safety plan or based on the anticipated hazards associated with the project. Work clothes include long pants, short or long sleeve shirt and other winter clothing. If upgrade to level C respiratory protection is necessary the appropriate respirator cartridges will provide protection against hydrogen sulfide and volatile organics, but not oxygen deficient atmospheres due to methane gas displacement of ambient air.

[1]The type of chemical resistant glove (i.e., disposable rubber, nitrile, other) must be selected based on the anticipated chemical hazards. [2]Must be reviewed on a case-by-case basis.

PERSONNEL LOG				
NAME	REPRESENTING	DATE	TIME IN	TIME OUT

ENVIROSOUTH
SUPERVISOR'S INVESTIGATION REPORT

Name	Age	Time	Date
Department/Project Manager	Site Name/Location		

WHAT HAPPENED?	Describe what took place or what caused you to make this investigation.
WHY DID IT HAPPEN?	Get all the facts by studying the job and situation involved. Question by use of WHY – WHAT – WHERE – WHEN – WHO- HOW
WHAT SHOULD BE DONE?	Determine which of the 12 items under EMP require additional attention.

Equipment	Material	People
Select	Select	Select
Arrange	Place	Place
Use	Handle	Train
Maintain	Process	Lead

WHAT HAVE YOU DONE THUS FAR?	Take or recommend action, depending upon your authority. Follow up – was action effective?
HOW WILL THIS IMPROVE OPERATIONS?	OBJECTIVE Eliminate job hindrances

Investigated by:	*Date*	**Reviewed By**	*Date*

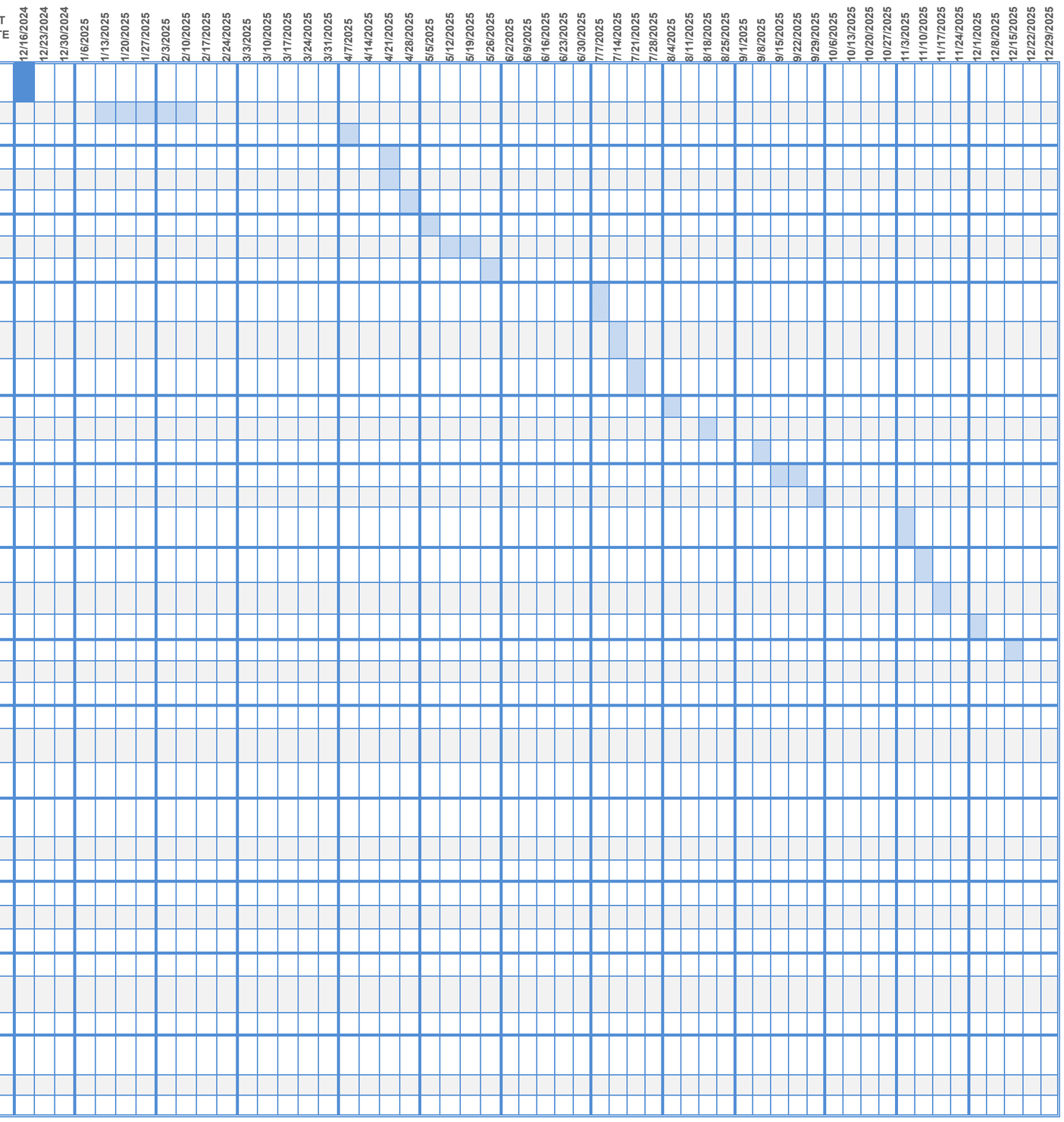
EQUIPMENT CALIBRATION LOG		
Instrument	**Calibration Date**	**Calibrated By**

GANTT SCHEDULE

WESTSIDE QUICK STOP CORRECTIVE ACTION SCHEDULE

Actual (beyond plan) | % Complete (beyond plan) | Actual Start | % Complete | Actual (beyond plan) | % Complete (beyond plan)

ACTIVITY	PLAN START (DATE)	PLAN DURATION (DAYS)	ACTUAL START (DATE)	ACTUAL DURATION (DAYS)	PERCENT COMPLETE
Corrective Action Plan and Underground Injection Control Permit Application Submittal	12/16/2024	7	12/16/2024		100%
Public Notice	1/13/2025	30			0%
CAP and UIC Approval	4/7/2025	7			0%
Order, Receive, and Store Chemicals for 1st Injection Event	4/21/2025	7			0%
Ground Penetrating Radar Survey	4/21/2025	1			0%
Install Additional Recovery and Monitoring Wells	4/28/2025	2			0%
Baseline Sampling Event	5/5/2025	2			0%
1st Injection Event	5/12/2025	11			0%
Report and Invoice #1	5/26/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells MW-24, RW-1, and RW-6	7/7/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells MW-24, RW-2, and RW-3	7/14/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells MW-1, RW-4, and RW-5	7/21/2025	4			0%
Interim Sampling Event #1	8/4/2025	2			0%
Report and Invoice #2	8/18/2025	5			0%
Order, Receive, and Store Chemicals for 2nd Injection Event	9/8/2025	7			0%
2nd Injection Event	9/15/2025	11			0%
Report and Invoice #3	9/29/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells MW-24, RW-1, and RW-6	11/3/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells MW-24, RW-2, and RW-3	11/10/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells MW-1, RW-4, and RW-6	11/17/2025	4			0%
Interim Sampling Event #2	12/1/2025	2			0%
Report and Invoice #4	12/15/2025	5			0%
Order, Receive, and Store Chemicals for 3rd Injection Event	1/5/2026	7			0%
3rd Injection Event	1/12/2026	11			0%
Report and Invoice #5	1/26/2026	5			0%
96-Hour Aggressive Fluid Vapor Recover Event Utilizing Wells MW-24, RW-1, and RW-3	3/2/2026	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells MW-24, RW-2, and RW-3	3/9/2026	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells MW-1, RW-4, and RW-6	3/16/2026	4			0%
Report and Invoice #6	3/30/2026	5			0%
1st Quarter Limited Sampling Event	6/15/2026	2			0%
Report and Invoice 1st Quarter Limited Sampling Event	7/13/2026	5			0%
2nd Quarter Limited Sampling Event	9/14/2026	2			0%
Report and Invoice 2nd Quarter Limited Sampling Event	10/12/2026	5			0%
3rd Quarter Comprehensive Sampling Event	12/14/2026	4			0%
Report and Invoice 3rd Quarter Comprehensive Sampling Event	1/18/2027	5			0%
4th Quarter Comprehensive Sampling Event	3/15/2027	4			0%
Report and Invoice 4th Quarter Comprehensive Sampling Event	4/5/2027	5			0%
Well Abandonment	5/3/2027	4			0%
Report and Invoice Well Abandonment	5/17/2027	5			0%



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96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells MW-24, RW-2, and RW-3	11/10/2025	4			0%
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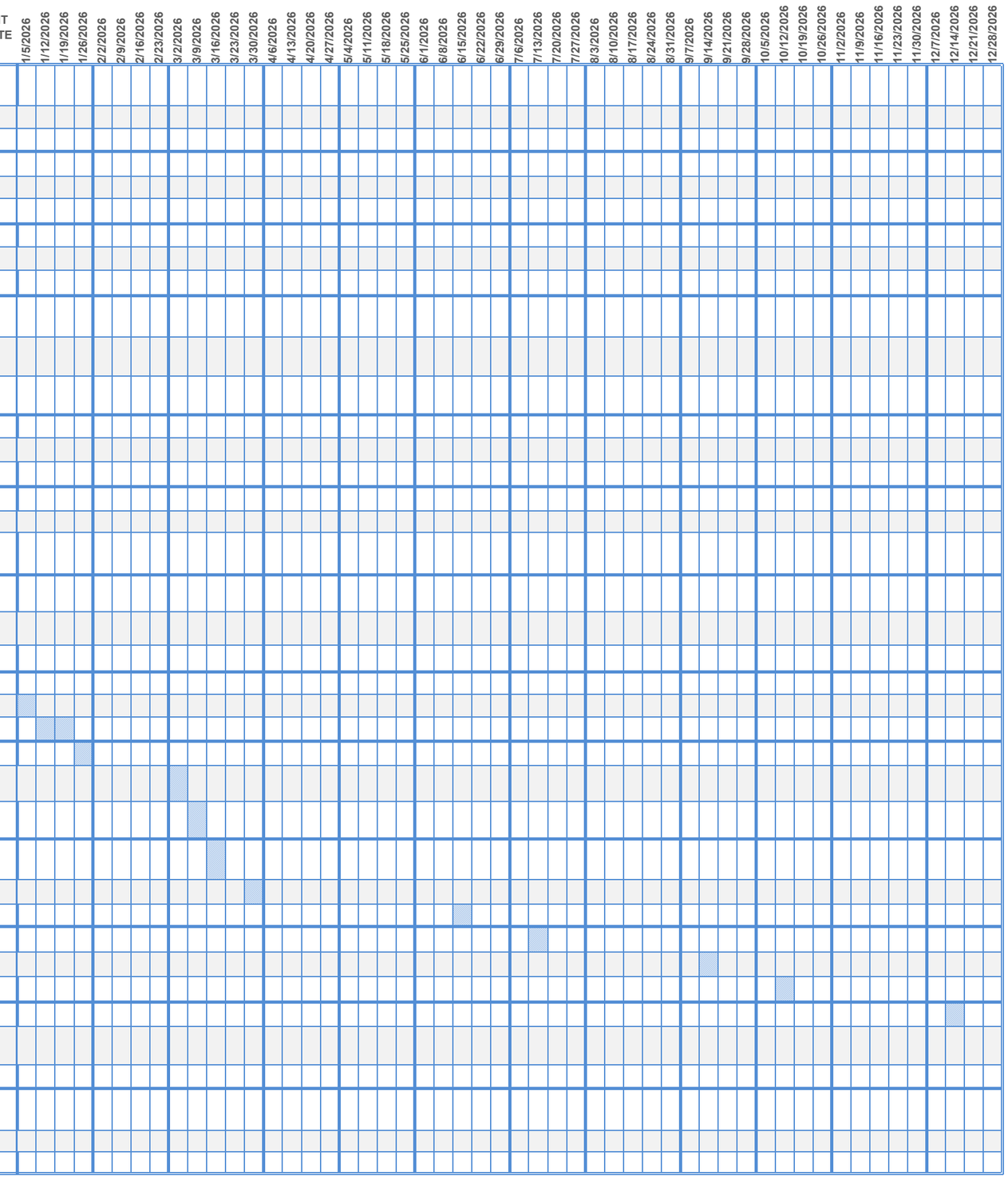

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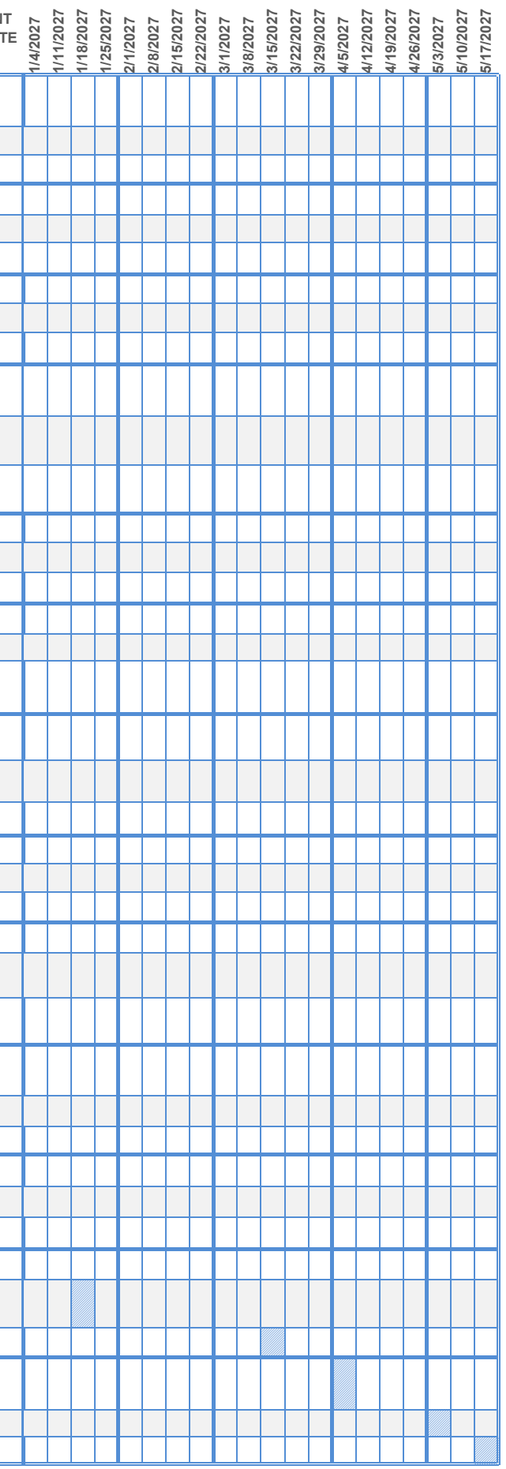


COST AGREEMENT

TARGETED COMPONENT INVOICE

South Carolina
Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: **Westside Quick Stop**

UST Permit #: 12430 **Cost Agreement #:**

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
C. Survey					
1.2 Comprehensive Survey		each	$1,270.36		$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)	1	each	$1,111.57		$1,111.57
D. Mob/Demob					
1.2 Equipment	9	each	$1,245.93		$11,213.37
2.2 Personnel	20	each	$516.69		$10,333.80
3.2 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings*					
1.1 Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)*					
1.2 Standard	6174	per foot	$33.50		$206,829.00
2.2 Fractured Rock		per foot	$41.40		$0.00
H. Well Abandonment (does not include Field Screening)*					
1.2 2" diameter or less	7566.15	per foot	$3.79		$28,675.71
2.2 Greater than 2" to 6" diameter	244.77	per foot	$5.50		$1,346.24
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. **Well Installation (In accordance with R.61-71)***					
1.2 Water Table (hand augered)		per foot	$31.40		$0.00
2.B Water Table (drill rig) 2" Diameter	67	per foot	$54.90		$3,678.30
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.2 Telescoping		per foot	$84.70		$0.00
4.2 Rock Drilling		per foot	$81.80		$0.00
5.2 2" Rock Coring		per foot	$88.50		$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.2 Recovery Well (4" diameter)	126	per foot	$69.60		$8,769.60
9.2 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.2 Re-develop Existing Well	563.2	per foot	$13.44		$7,569.41
J. Groundwater Sample Collection / Gauging Depth to Water/Product *					
1.2 Groundwater Purge		per well	$73.29		$0.00
2.2 Air or Vapors		sample	$14.66		$0.00
3.2 Water Supply Sample		sample	$26.87		$0.00
4.1A HydraSleeve		sample	$34.20		$0.00
4.2B No-purge Groundwater Sample/Surface water	7	sample	$57.24		$400.68
5.2 Gauge Well only	32	sample	$8.55		$273.60

6.2 Sample Below Product		sample	$14.66		$0.00
7.2 Passive Diffusion Bag		sample	$31.75		$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Blar	27	sample	$30.06		$811.62
9.2 Groundwater (low flow purge)	135	sample	$111.16		$15,006.60
10.2 Equipment Blank		sample	$30.06		$0.00
11.1 Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	185	per sample	$149.02		$27,568.70
2.2 Lead, Filtered		per sample	$16.85		$0.00
3.2 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.2 PAH's		per sample	$74.02		$0.00
6.2 Lead		per sample	$19.54		$0.00
7.2 EDB by EPA 8011	169	per sample	$55.21		$9,330.49
8.2 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.2 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.2 EDB (504.1)		per sample	$97.11		$0.00
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH- GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00
P. Survey*					
1.1 Subsequent Survey	1	each	$297.65		$297.65
Q. Disposal (gallons or tons)*					
1.2 Wastewater	500	gallon	$1.19		$595.00
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal	3	ton	$156.25		$468.75
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
1. Targeted Corrective Action (see Attached Table)	1	each	$284,547.61		$284,547.61

W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.2 8-hour Event*		per event	$1,787.40		$0.00
2.1 24-hour Event*		per event	$4,407.78		$0.00
3.1 48-hour Event*		per event	$7,242.29		$0.00
4.1 96-hour Event*	9	per event	$14,482.28		$130,340.52
5.1 Off-gas Treatment 8 hour		per event	$141.17		$0.00
6.2 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour	9	per event	$898.84		$8,089.56
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00
10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance		each	$302.40		$0.00
15.1 Additional Hook-ups		each	$29.68		$0.00
16.2 AFVR Effluent Disposal	72000	gallon	$0.53		$38,160.00
17.2 AFVR Mobilization/Demobilization	9	each	$777.60		$6,998.40
Z. **High Resolution Site Characterization**					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	$802,416.17		$96,289.94
TOTAL					$898,706.11

ITEM								
R. Miscellaneous (attach receipts)				QUANTITY	UNIT	UNIT PRICE		TOTAL
Corrective Action Plan				1	each	$10,000.00		$10,000.00
I. Injection								
Injectate					per event			$0.00
Injection Services					per event			$0.00
Secondary Parameter Analysis					each			$0.00
II. Enhanced AFVR								$0.00
Injectate - Event 1				1	each	$47,683.54		$47,683.54
Injectate - Event 2				1	each	$47,683.54		$47,683.54
Injectate - Event 3				1	each	$47,683.54		$47,683.54
Injection Services and Equipment - Event 1				1	each	$40,000.00		$40,000.00
Injection Services and Equipment - Event 2				1	each	$40,000.00		$40,000.00
Injecton Services and Equipment - Event 3				1	each	$40,000.00		$40,000.00
Expendable Supplies and Tooling - Event 1				1	per event	$3,832.33		$3,832.33
Expendable Supplies and Tooling - Event 2				1	per event	$3,832.33		$3,832.33
Expendable Supplies and Tooling - Event 3				1	per event	$3,832.33		$3,832.33
III. Excavation					ton			$0.00
Excavation Equipment and Operator					each			$0.00
Backfill Material					ton			$0.00
Backfill Additive					ton			$0.00
Proctor/Compaction Testing					per event			$0.00
Sheet Piling					per event			$0.00
Dewatering Equipment					per event			$0.00
Excavation Security/Fencing					per event			$0.00
TOTAL								$284,547.61

ENVIROSOUTH
Environmental Consultants

December 23, 2024

RECEIVED
JAN 16 2025
UST DIVISION

UST DOCKETING
81 Real

Ms. Courtney Milledge
South Carolina Department of
Environmental Services (SCDES)
Underground Injection Control Coordinator
Bureau of Water
2600 Bull Street
Columbia, South Carolina 29201

Re: Underground Injection Control
Permit Application and Attachments
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
UST Permit #12430
EnviroSouth Job No.3570

Dear Ms. Milledge:

EnviroSouth, Inc., on behalf of Shree Gajvakra, LLC, is pleased to provide you with this application for your approval to perform corrective action at the locations described in the attachments.

The proposed injection points are for remediation of petroleum hydrocarbons associated with the operation of an underground storage tank (UST) system on the site. Further details are included within the attachments to the application.

If you have any questions, or require additional information, please do not hesitate to contact us.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

attachments

cc: Mr. Adam Looper, SCDES UST Management Division
Mr. Ankur Patel, Shree Gajvakra, LLC

Prepared for:

SCDES
Underground Injection Control Coordinator
Bureau of Water
2600 Bull Street
Columbia, South Carolina 29201

Attention: Ms. Courtney Milledge

UNDERGROUND INJECTION CONTROL PERMIT APPLICATION AND ATTACHMENTS

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

EnviroSouth Job No. 3570
SCDES Site ID No. 12430

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

UST Contractor #257

December 23, 2024

A report prepared for:

SCDES
Underground Injection Control Coordinator
Bureau of Water
2600 Bull Street
Columbia, South Carolina 29201

Attention: Ms. Courtney Milledge

UNDERGROUND INJECTION CONTROL
PERMIT APPICATION AND ATTACHMENTS
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST SITE ID #12430

EnviroSouth Job No. 3570

EnviroSouth SCDES Certification No. 257

Prepared by:

William H. Lyons, P.G.
Project Hydrogeologist
S.C. Registration No. 2705

Reviewed by:

M. Allen Meadows
Environmental Engineer

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605
864-236-9010

December 23, 2024

Form I UIC	DHEC Underground Injection Control Permit Application Ground-Water Protection Division (Collected under the Authority of Title 48 Chapter I of the 1976 South Carolina Code of Laws)	I. EPA ID NUMBER			
				T/A	C
		U			

Read attached instructions before starting.
For OfficialUse Only

Application Approved month day year			Date Received month day year			Permit Well Number

Comments

II. Facility Name and Address			III. Owner/Operator and Address		
Facility Name Westside Quick Stop			Owner/OperatorName Shree Gajvakra, LLC		
Street Address 821 W. Parker Road			Street Address 205 Fairway Drive		
City	State	Zip Code	City	State	Zip Code
Greenville	South Carolina	29611	Laurens	South Carolina	29360

IV. Ownership Status (Select One)			V. SIC Codes	
☐ A. Federal	☐ B. State	☐ C. Private	5541	
☒ D. Public	☐ E. Other (Explain)			

VI. Well Status (Select A, B or C)			
☐ A. Operating	Date Started *(MM/DD/YYYY)*	☐ B. Modification/Conversion	☒ C. Proposed

VII. Type of Permit Requested - Class and Type of Well (see reverse)			
A. Class(es) enter code(s)	B. Type(s) enter code(s)	C. If class is "other" or type is code 'Y', explain	D. Number of Wells per type
V.A	I		147

VIII. Location of Wells or Approximate Center of field or Project

C	A. Latitude					B. Longitude			
I		Deg 34	Min 86	Sec 48		Deg -82	Min 43	Sec 35	

IX. Attachments

Complete the following questions on a separate sheet(s) and number accordingly; see instructions for Classes II, III, and V, complete and submit on a separate sheet(s) attachments A-U as appropriate. Attach maps where required. List attachments by letter which are applicable and include with your application.

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment.

A. Name (Type or Print)	Title	B. Phone No.
X ANKUR PATEL	OWNER	X (864) 354-1729
C. Signature X Ankur Patel		D. Date Signed (MM/DD/YYYY) X 12/23/2024

DHEC2502(08/1997)

ATTACHMENT A: ACTIVITY FOR REVIEW

SUMMARY

EnviroSouth, Inc. has completed the Corrective Action Plan and Underground Injection Control Application for the Westside Quick Stop facility as requested by the South Carolina Department of Environmental Services (SCDES) in a letter dated October 11, 2024. This document outlines the plan for targeted scope corrective action to mitigate free-phase product and petroleum hydrocarbon impact to the water table portion of the surficial aquifer in the vicinity of the current underground storage tank (UST) basin at the facility.

The Westside Quick Stop facility is located in the city of Greenville, Greenville County, South Carolina at the location displayed on Figure 1. The site address is 821 W. Parker Road, Greenville, South Carolina. The facility is in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road and W. Blue Ridge Drive. The site is an active gasoline station that maintains four (4) regulated USTs and associated piping and dispensers. The site has two (2) open documented releases. Release number one was reported in June of 2012 and release number two was reported in October of 2012. This targeted scope corrective action plan and underground injection control application will address both releases.

SUMMARY OF ASSESSMENT

An Initial Groundwater Assessment (IGWA), Tier I Assessment, and an initial Tier II Assessment were completed in response to both releases. As a result of the observation of free-phase gasoline in groundwater monitoring well MW-1 during a May 2016 groundwater gauging event conducted by the South Carolina Department of Environmental Service (SCDES; formerly known as the SCDHEC), an additional Tier II Assessment and two (2) 96-hour Aggressive Fluid Vapor Recovery/Mobile Multi-Phase Extraction (AFVR/MMPE) events were completed at the site in early 2017. Additional 96-hour AFVR/MMPE events were completed at the site in May 2018, January 2020, February 2021, March 2021, February 2022, March 2022, September 2023, and October 2023. A comprehensive groundwater monitoring event was performed in September 2023 and a report detailing these field activities was submitted in December 2023. Based on the results of that

report, the SCDES provided Site-Specific Target Levels (SSTLs) and requested a Corrective Action Plan in a letter dated October 11, 2024.

PROPOSED CORRECTIVE ACTION

Corrective action is proposed to reduce contaminant mass through enhanced AFVR utilizing an oxidizing surfactant and subsequent mass recovery using AFVR. The oxidizing surfactant will be injected in the vicinity of the current tank basin as shown on Figures 3 through 5. This permit application details the planned injection of RegenOx®, a sodium percarbonate product manufactured by Regenesis, and the subsequent AFVR events.

The treatment area has been determined to be approximately 2,400 square feet, and the injection interval extends from 21 to 42 feet bgs.

Each of the three (3) injection events will utilize forty-nine (49) temporary injection wells and will be spaced approximately four (4) months apart. Each series of three (3) enhanced AFVR events will begin approximately six (6) weeks following their respective injection events over a three (3) week time period. The AFVR events will utilize monitoring wells MW-1 and MW-24 as well as recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 on a rotating schedule.

AFVR events are necessary to control and remove desorbed petroleum mass post injection. 120% of the injected volume is targeted for recovery by AFVR. Because the contaminated area is 2,400 square feet, three (3) 96-hour AFVR events per injection event will be necessary to remove 120% of the injected volume.

Injection Product

Enhanced AFVR utilizing the injection of an oxidizing surfactant for the reduction of petroleum hydrocarbon concentrations and free-phase product capture is proposed. The injectate that will be used is a sodium percarbonate-based reagent known as RegenOx® manufactured by Regenesis. The sodium percarbonate mixture will come in two (2) separate packings. Part A of the injectate will be packaged in sealed 40-pound plastic bags and not opened until ready for mixing. Part B of the

injectate will be packaged in sealed 400-pound drums and not opened until ready for mixing. The solution of water and sodium percarbonate will be contained in plastic tanks/totes with secured lids during the mixing and injection process.

A safety data sheet (SDS) and specification sheet provided by Regenesis for the proposed injectate is provided on the following pages.

Source Area Groundwater Treatment Approach and Execution Details

The remediation strategy proposed in the source area surficial aquifer is by enhanced AFVR, which will consist of three (3) rounds of in-situ chemical oxidation [utilizing a solution of water and RegenOx® placed by forty-nine (49) temporary underground injection wells] with each round of injection being followed by three (3) 96-hour AFVR events for a total of nine (9) 96-hour AFVR events.

The treatment area is approximately 2,400 square feet, and the injection interval extends from 21 to 42 feet below ground surface (bgs) (Figure 3 through 5). The three (3) rounds of enhanced AFVR will be spaced approximately four (4) weeks apart. A total of nine (9) 96-hour AFVR events and 32,760 pounds of RegenOx® mixed with 46,108 gallons of potable water will be necessary to meet the demands of the planned enhanced AFVR approach.

The temporary injection wells will be installed using a Geoprobe 7822DT drill rig with 1.5-inch diameter probe rods and a five-foot ported injection rod utilized in a bottom-up injection fashion. Figure 6 is a schematic diagram showing the general diagram of all injection well locations.

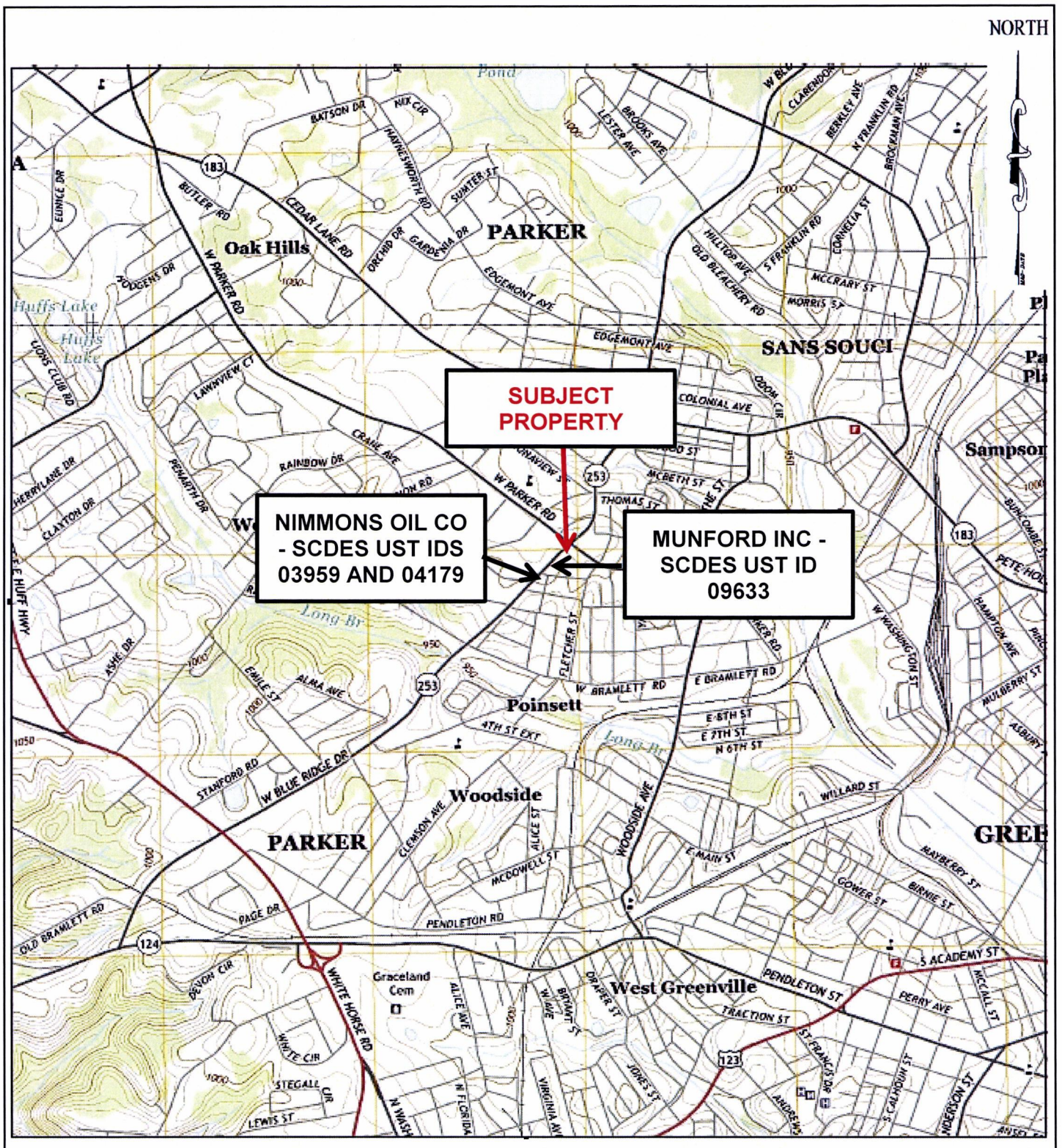
Each injection well borehole will be properly abandoned using a pressure-injected neat cement grout immediately upon completion.

Monitoring and recovery wells MW-X, MW-1, MW-2, MW-21, MW-24, RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 will be sampled to evaluate the effectiveness of each round of enhanced AFVR. Each well will be gauged for free-phase gasoline and sampled using a low flow purge method. Samples will be analyzed for benzene, toluene, ethylbenzene, xylenes (total), methyl-tert-butyl

ether, naphthalene, (BTEXMN), 1,2-dichloroethane (1,2-DCA), and eight (8) oxygenates by EPA method 8260, and 1,2-dibromoethane (EDB) by EPA method 8011.

Maximum Groundwater Injection Depth

The maximum injection depth will be 42 feet bgs. The injection zone will be from 21 to 42 feet bgs.



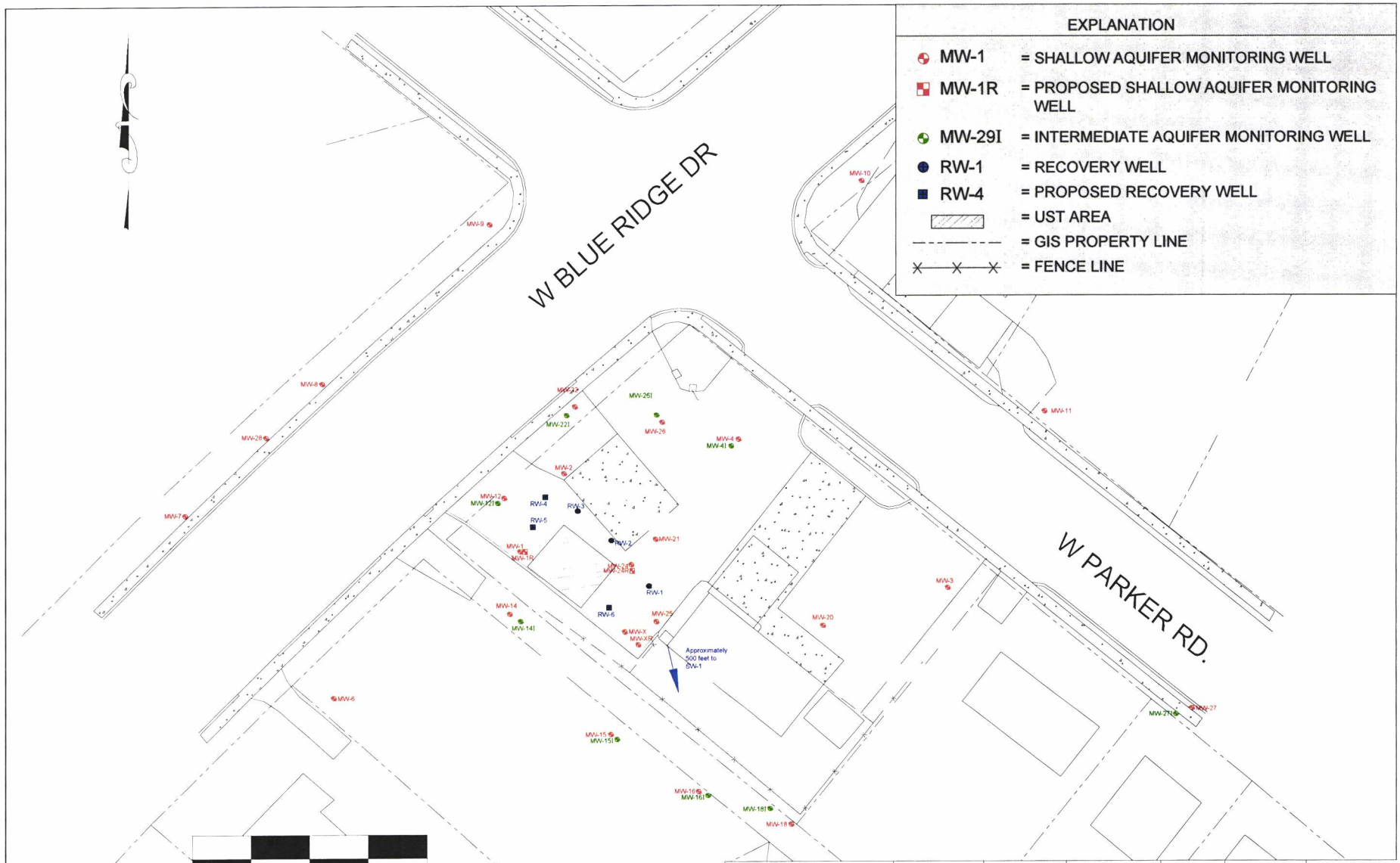
SOURCE: USGS 7.5' QUADRANGLE MAP 2014, GREENVILLE, SC

ENVIROSOUTH
Environmental Consultants

SITE VICINITY MAP

COMMERCIAL PROPERTY
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA
SCDES UST ID NO. 12430

JOB NO.: 3570	CHECKED BY: KM	FIGURE: 1
SCALE: NOT SHOWN	DRAWN BY: BD	DATE: 11/21/2024

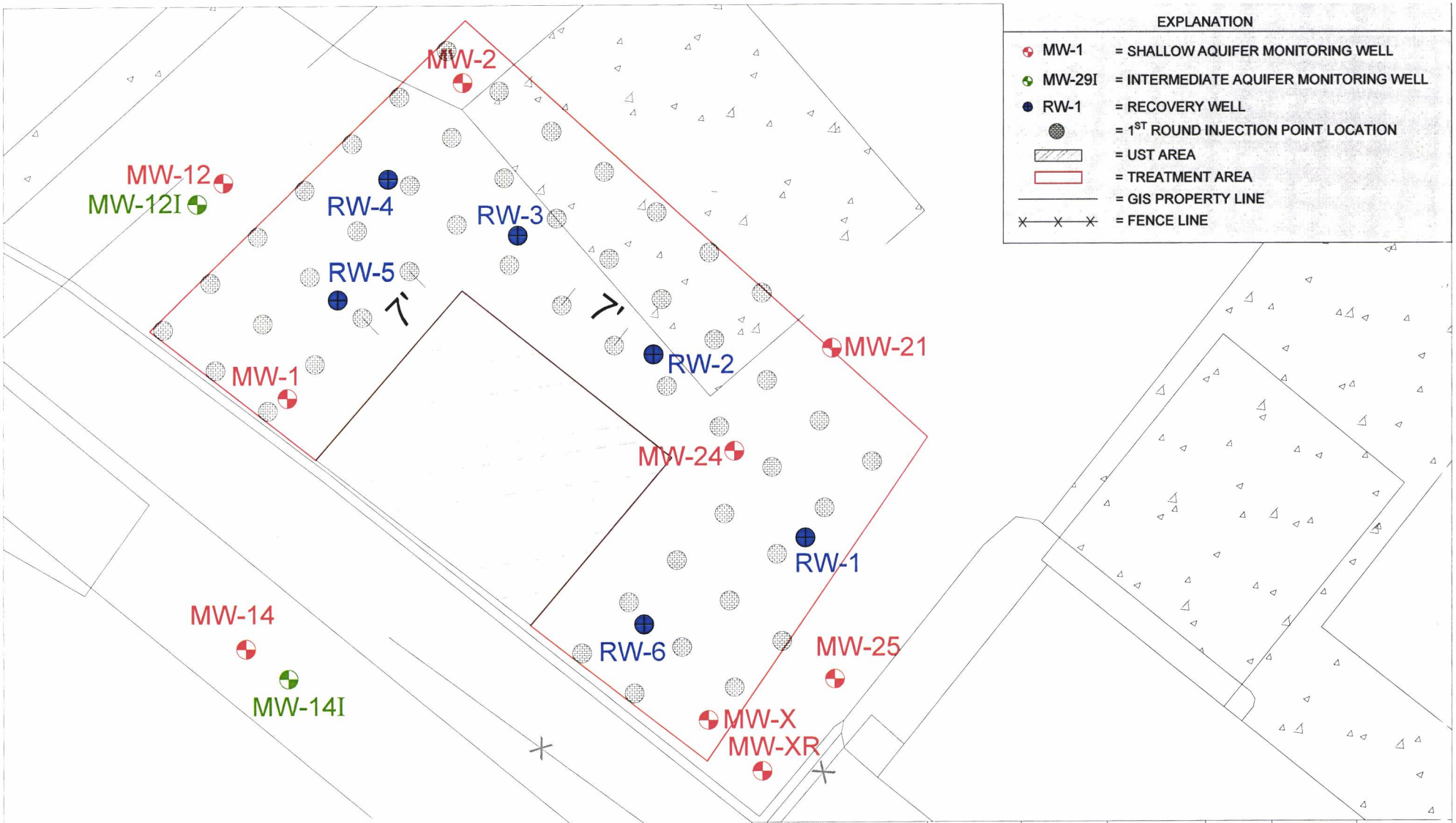


DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	12/20/2024	BD	TFD	AS SHOWN	3570	2

ENVIROSOUTH Environmental Consultants

SITE MAP

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

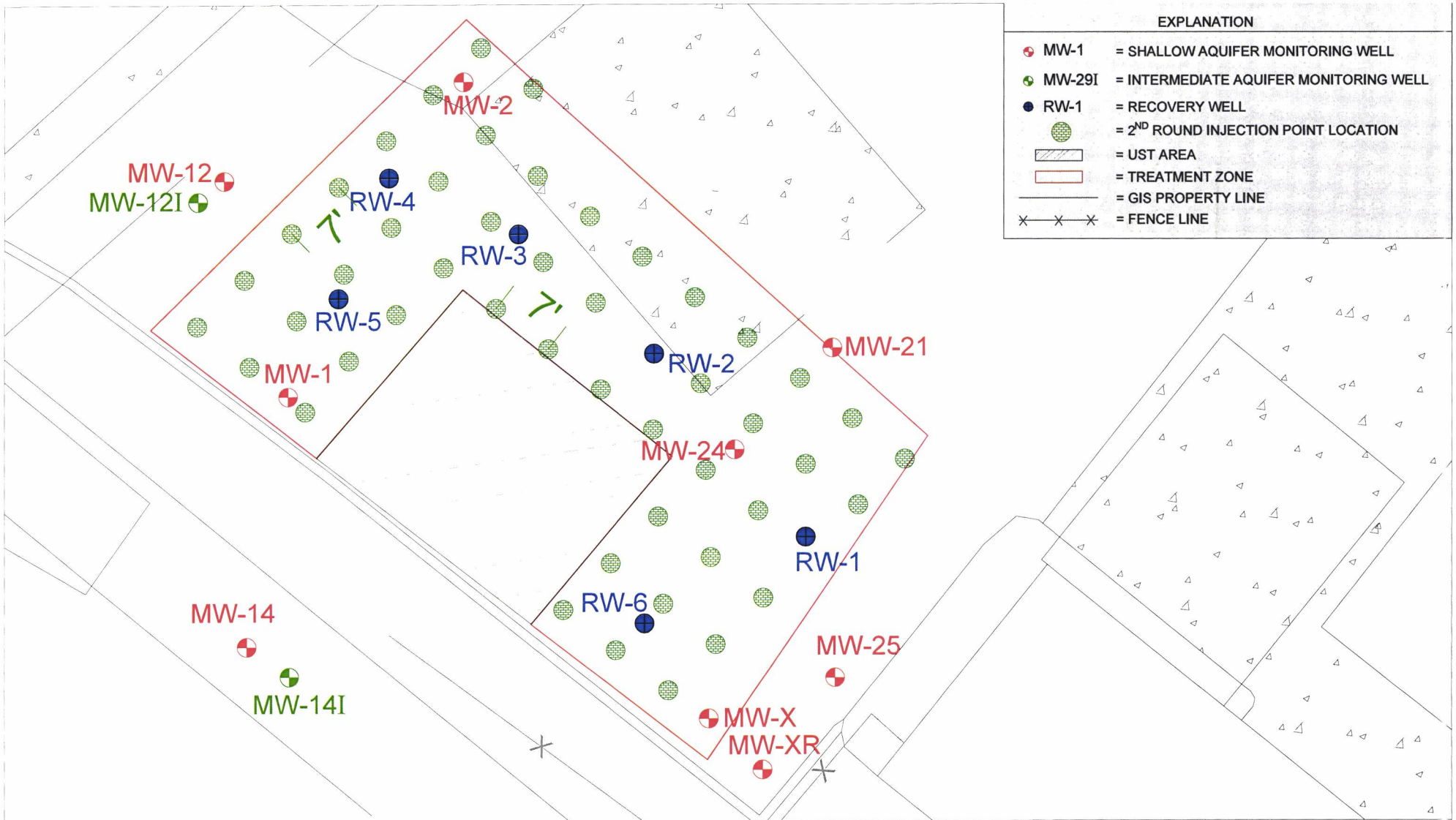


DWG: CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	DATE 12/20/2024	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 3

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 1ST ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

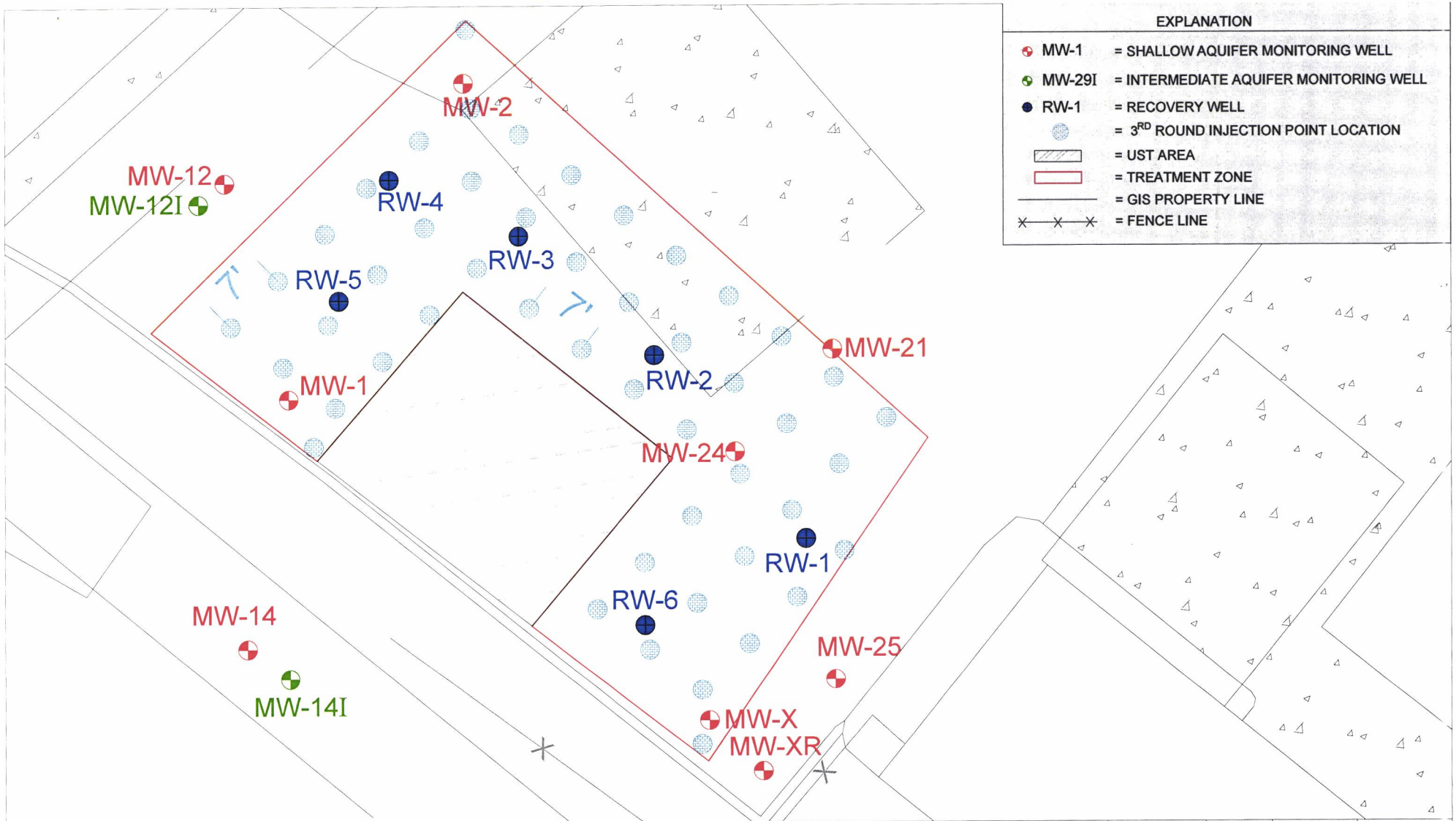


DWG: CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	DATE 12/20/2024	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 4

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 2ND ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



DWG: CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	DATE 12/20/2024	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 8

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 3RD ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

RegenOx® – Part A (Oxidizer Complex)

Material Safety Data Sheet (MSDS)

Last Revised: September 27, 2013

Section 1 – Supplier Information and Material Identification

Supplier:

REGENESIS
1011 Calle Sombra
San Clemente, CA 92673
Telephone: 949.366.8000
Fax: 949.366.8090
E-mail: info@regenesis.com

Chemical Description:	A mixture of sodium percarbonate [$2Na_2CO_3 \cdot 3H_2O_2$], sodium carbonate [Na_2CO_3], sodium silicate and silica gel.
Chemical Family:	Inorganic Chemicals
Trade Name:	RegenOx® – Part A (Oxidizer Complex)
Product Use:	Used to remediate contaminated soil and groundwater (environmental applications)

Section 2 – Chemical Information/Other Designations

CAS No.	Chemical	Percentage
15630-89-4	Sodium Percarbonate	60 -100 %
7699-11-6	Silicic Acid	< 1 %
63231-67-4	Silica Gel	< 1 %

Section 3 – Physical Data

Form:	Powder
Color:	White
Odor:	Odorless
Melting Point:	NA
Boiling Point:	NA

Section 3 – Physical Data (cont)

Flammability/Flash Point:	NA
Vapor Pressure:	NA
Bulk Density:	0.9 – 1.2 g/cm^3
Solubility:	Min 14.5g/100g water @ 20 °C
Viscosity:	NA
pH (3% solution):	≈ 10.5
Decomposition Temperature:	Self-accelerating decomposition with oxygen release starts at 50 °C.

Section 4 – Reactivity Data

Stability:	Stable under normal conditions
Conditions to Avoid/Incompatibility:	Acids, bases, salts of heavy metals, reducing agents, and flammable substances
Hazardous Decomposition Products:	Oxygen. Contamination with many substances will cause decomposition. The rate of decomposition increases with increasing temperature and may be very vigorous with rapid generation of oxygen and steam.

Section 5 – Regulations

TSCA Inventory Listed:	Yes

CERCLA Hazardous Substance (40 CFR Part 302)

Listed Substance:	*No*
Unlisted Substance:	*Yes*

SARA, Title III, Sections 313 (40 CFR Part 372) – Toxic Chemical Release Reporting: Community Right-To-Know

Extremely Hazardous Substance:	No
WHMIS Classification:	C, D2B
Canadian Domestic Substance List:	Appears

Section 6 – Protective Measures, Storage and Handling

Technical Protective Measures

Storage:

Oxidizer. Store in a cool, well ventilated area away from all sources of ignition and out of the direct sunlight. Store in a dry location away from heat and in temperatures less than 40 °C.

Keep away from incompatible materials and keep lids tightly closed. Do not store in improperly labeled containers.

Protect from moisture. Do not store near combustible materials. Keep containers well sealed.

Store separately from reducing materials. Avoid contamination which may lead to decomposition.

Handling:

Avoid contact with eyes, skin and clothing. Use with adequate ventilation.

Do not swallow. Avoid breathing vapors, mists or dust. Do not eat, drink or smoke in the work area.

Label containers and keep them tightly closed when not in use.

Wash hands thoroughly after handling.

Personal Protective Equipment (PPE)

Engineering Controls:

General room ventilation is required if used indoors. Local exhaust ventilation, process enclosures or other engineering controls may be needed to maintain airborne levels below recommended exposure limits. Avoid creating dust or mists. Maintain adequate ventilation at all times. Do not use in confined areas. Keep levels below recommended exposure limits. To determine actual exposure limits, monitoring should be performed on a routine basis.

Respiratory Protection:

For many conditions, no respiratory protection is necessary; however, in dusty or unknown conditions or when exposures exceed limit values a NIOSH approved respirator should be used.

Hand Protection:

Wear chemical resistant gloves (neoprene, rubber, or PVC).

Section 6 – Protective Measures, Storage and Handling (cont)

Eye Protection:	Wear chemical safety goggles. A full face shield may be worn in lieu of safety goggles.
Skin Protection:	Try to avoid skin contact with this product. Chemical resistant gloves (neoprene, PVC or rubber) and protective clothing should be worn during use.
Other:	Eye wash station.
Protection Against Fire & Explosion:	Product is non-explosive. In case of fire, evacuate all non-essential personnel, wear protective clothing and a self-contained breathing apparatus, stay upwind of fire, and use water to spray cool fire-exposed containers.

Section 7 – Hazards Identification

Potential Health Effects	
Inhalation:	Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath, and irritations to mucous membranes, nose and throat.
Eye Contact:	Causes irritation, redness and pain.
Skin Contact:	Causes slight irritation.
Ingestion:	May be harmful if swallowed (vomiting and diarrhea).

Section 8 – Measures in Case of Accidents and Fire

After Spillage/Leakage:	Eliminate all ignition sources. Evacuate unprotected personnel and never exceed any occupational exposure limit. Shovel or sweep spilt material into plastic bags or vented containers for disposal. Do not return spilled or contaminated material to the inventory.
Extinguishing Media:	Water
First Aid	
Eye Contact:	Flush eyes with running water for at least 15 minutes with eyelids held open. Seek a specialist.
Inhalation:	Remove affected person to fresh air. Seek medical attention if the effects persist.
Ingestion:	If the individual is conscious and not convulsing, give two-four cups of water to dilute the chemical and seek medical attention immediately. **Do Not** induce vomiting.

Section 8 – Measures in Case of Accidents and Fire (cont)

Skin Contact:	Wash affected areas with soap and a mild detergent and large amounts of water.

Section 9 – Accidental Release Measures

Precautions:	
Cleanup Methods:	Shovel or sweep spilt material into plastic bags or vented containers for disposal. Do not return spilled or contaminated material to the inventory.

Section 10 – Information on Toxicology

Toxicity Data	
LD50 Oral (rat):	2,400 mg/kg
LD50 Dermal (rabbit):	Min 2,000 mg/kg
LD50 Inhalation (rat):	Min 4,580 mg/kg

Section 11 – Information on Ecology

Ecology Data	
Ecotoxicological Information:	NA

Section 12 – Disposal Considerations

Waste Disposal Method	
Waste Treatment:	Dispose of in an approved waste facility operated by an authorized contactor in compliance with local regulations.
Package (Pail) Treatment:	The empty and clean containers are to be recycled or disposed of in conformity with local regulations.

Section 13 – Shipping/Transport Information

D.O.T. Shipping Name:	Oxidizing Solid, N.O.S. [A mixture of sodium percarbonate [$2Na_2CO_3 \cdot 3H2O_2$], sodium carbonate [Na_2CO_3], sodium silicate and silica gel.]
UN Number:	1479
Hazard Class:	5.1
Labels:	5.1 (Oxidizer)
Packaging Group:	III

Section 14 – Other Information

HMIS® Rating	Health – 1 (slight)	Reactivity – 1 (slight)
	Flammability – 0 (none)	Lab PPE – goggles, gloves, and lab coat

HMIS® is a registered trademark of the National Painting and Coating Association.

Section 15 – Further Information

The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information become available. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

SAFETY DATA SHEET

REGENESIS
Technology-Based Solutions for the Environment

1. Identification

Product identifier **RegenOx® Part B**

Other means of identification None.

Recommended use Soil and Groundwater Remediation.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Regenesis

Address 1011 Calle Sombra
San Clemente, CA 92673 USA

General information 949-366-8000

E-mail CustomerService@regenesis.com

Emergency phone number For Hazardous Materials Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:

USA, Canada, Mexico 1-800-424-9300

International 1-703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement Causes skin irritation. Causes serious eye irritation.

Precautionary statement

Prevention Wash thoroughly after handling. Wear protective gloves. Wear eye/face protection.

Response If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Silicic Acid, Sodium Salt, Sodium Silicate	1344-09-8	25-40
Silicon dioxide (amorphous silica gel)	63231-67-4	<10

Ferrous sulfate	7720-78-7	2-5

Composition comments All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation Move to fresh air. Keep victim at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Spray mist may irritate the respiratory system. Symptoms may include coughing, difficulty breathing and shortness of breath.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed. Combustion products may include: silicon oxides, metal oxides, sulfur oxides.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store in a cool, dry, well-ventilated place. Maintain storage temperatures between 50°F to 140°F (10°C to 60°C). Store away from incompatible materials (see Section 10 of the SDS). Recommended storage containers: steel or plastic. Do not use containers made of aluminum, fiberglass, copper, brass, zinc or galvanized containers.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silicon dioxide (amorphous silica gel) (CAS 63231-67-4)	TWA	0.8 mg/m3
		20 mppcf

US. ACGIH Threshold Limit Values

Components	Type	Value
Ferrous sulfate (CAS 7720-78-7)	TWA	1 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ferrous sulfate (CAS 7720-78-7)	TWA	1 mg/m3
Silicon dioxide (amorphous silica gel) (CAS 63231-67-4)	TWA	6 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection To avoid contact with eyes, wear chemical goggles or shielded safety glasses.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Skin protection

Other Wear appropriate chemical resistant clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Recommended use: Wear NIOSH approved respirator appropriate for airborne exposure at the point of use.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Green to dark blue.

Odor Odorless.

Odor threshold Not available.

pH 11 (10% solution/water)

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.2 - 1.4
Solubility(ies)	
Solubility (water)	Miscible.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	< 10,000cP

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Hydrogen fluoride. Fluorine. Oxygen difluoride. Chlorine trifluoride. Strong acids. Strong bases. Oxidizers. Aluminum metal. Copper. Brass. Zinc. Galvanized metals.
Hazardous decomposition products	Thermal decomposition or combustion may produce: silicon oxides, metal oxides, sulfur oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful. Spray mists may cause respiratory tract irritation.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion may cause irritation and malaise.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Inhalation may irritate lungs causing coughing and/or shortness of breath.

Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Silicon dioxide (amorphous silica gel) (CAS 63231-67-4) 3 Not classifiable as to carcinogenicity to humans.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	This product is water soluble and may spread in the water system.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ferrous sulfate (CAS 7720-78-7) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List
Ferrous sulfate (CAS 7720-78-7)

US. New Jersey Worker and Community Right-to-Know Act
Ferrous sulfate (CAS 7720-78-7)

US. Pennsylvania Worker and Community Right-to-Know Law
Ferrous sulfate (CAS 7720-78-7)

US. Rhode Island RTK
Ferrous sulfate (CAS 7720-78-7)

California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 02-April-2015

Revision date 19-November-2017

Version # 03

Further information HMIS® is a registered trade and service mark of the American Coatings Association (ACA).

HMIS® ratings Health: 2
Flammability: 0
Physical hazard: 0

NFPA ratings

Disclaimer

Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

RegenOx® Technical Description

Close up of RegenOx

RegenOx is an advanced chemical oxidation technology that destroys contaminants through powerful, yet controlled chemical reactions. This product maximizes *in situ* chemical oxidation (ISCO) performance through use of a two-part product system; a sodium percarbonate oxidizer complex activated by a patented surface catalyst system. The technology degrades pollutants through direct oxidation, as well as through the generation of a suite of free radical compounds which in turn oxidize recalcitrant contaminants. RegenOX rapidly and effectively destroys a range of target contaminants including petroleum hydrocarbons and chlorinated compounds.

RegenOx is especially effective in destroying target contaminants present in high concentration source areas within the saturated and vadose zones. For petroleum hydrocarbon treatment, RegenOx produces oxygen as a result of its reactions, providing seamless transition from ISCO to enhanced aerobic bioremediation. RegenOx produces minimal heat when applied, and continues to destroy contaminants for up to 30 days on a single application. RegenOx is safe for use in direct contact with underground utilities, since it is non-corrosive to concrete and most metals.

$$C_2Cl_4 + 4/3\ Na_2CO_3 \bullet 2H_2O_2 + 4NaOH \rightarrow 2CO_2 + 4NaCl + 4H_2O + 4/3\ Na_2CO_3$$

- Free Radical Oxidation via production of:
  - Perhydroxyl Radical ($HO_2\bullet$)
  - Hydroxyl Radical ($OH\bullet$)
  - Superoxide Radical ($O_2^-\bullet$)

For a list of treatable contaminants with the use of RegenOx, view the Range of Treatable Contaminants Guide

Chemical Composition – Part A Oxidant

- Sodium Percarbonate – CAS #15630-89-4
- Sodium Carbonate Monohydrate - CAS #5968-11-6
- Silicic Acid – CAS #7699-11-6
- Silica Gel – CAS #63231

Chemical Composition – Part B Activator Complex

- Silicic Acid, Sodium Salt, Sodium Silicate - CAS#1344-09-08
- Silica Gel – CAS #63231
- Ferrous Sulfate – CAS #7720-78-7
- Water – CAS#7732-18-5

Properties

- Bulk Density – Part A 0.9-1.2 g/cm3; Part B – 1.39 g/cm3
- pH - 10-11 per recommended mixing ratios (3-5% oxidant in solution)
- Solubility – Oxidant - 14.5 g/100 g water; Activator – miscible in water
- Appearance – Brown to orange-brown when mixed with water
- Odor – Not detectable
- Vapor Pressure – None
- Non-hazardous

RegenOx® Technical Description

Storage and Handling Guidelines

Storage

Store in a cool, dry place out of heat/direct sunlight

Store at temperatures not to exceed 40°C/104°F

Store in original tightly closed container

Store in a well-ventilated place

Do not store near combustible materials

Store away from incompatible materials

Protect from contamination

Provide appropriate exhaust ventilation in places where dust is formed

Handling

Minimize dust generation and accumulation

Observe good industrial hygiene practices

Keep away from clothing and combustible materials

Take any precaution to avoid mixing with combustibles

Avoid contact with eyes

Do not taste or swallow

Do not eat, drink or smoke nearby

Wear appropriate personal protective equipment

Wash hands thoroughly after handling

Avoid release to the environment

Applications

RegenOx is applied using direct-injection techniques or wells. The application process enables the two- part product to be combined, then pressure-injected into the zone of contamination and moved out into the aquifer media. Application instructions for this product are contained in the RegenOx Application Instructions Guide.

Health and Safety

Material is relatively safe to handle; however, we recommend avoiding contact with eyes, skin and clothing. OSHA Level D personal protection equipment including vinyl or rubber gloves, eye protection and dust mask are recommended when handling this product. Please review the Material Safety Data Sheet for additional storage, packaging, usage, and handling requirements here: RegenOx Part A SDS and RegenOx Part B SDS.

REGENESIS

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

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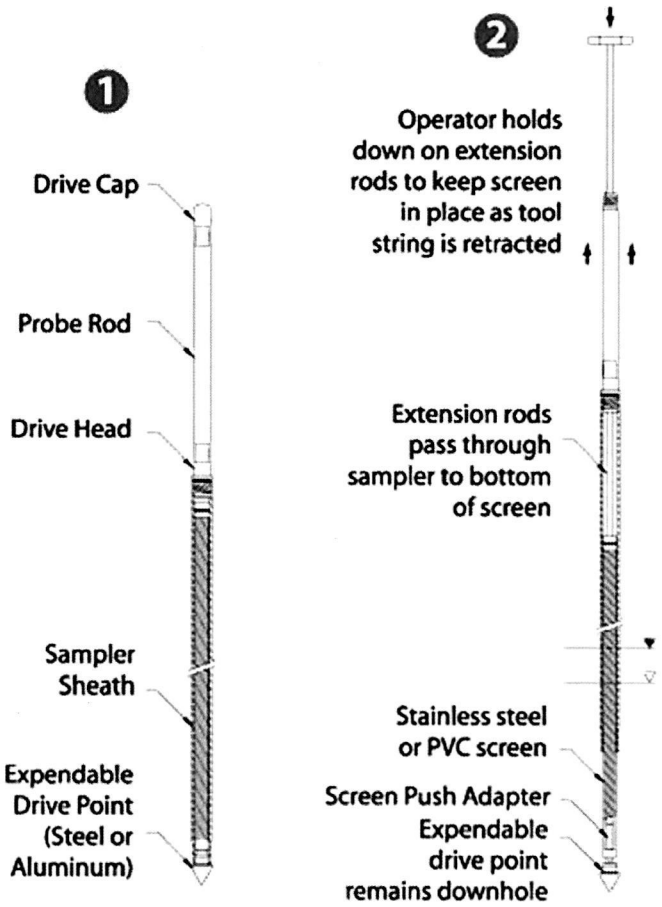
ATTACHMENT B: WELL CONSTRUCTION DETAILS

The temporary injection wells for the source area surficial aquifer treatment will consist of 1.5-inch diameter probe rods and a 1.5-inch diameter by 5-foot ported screen driven to the terminal depth of 42 feet bgs.

Each source area injection well will be abandoned immediately after injection completion at each location. Well abandonment will consist of grouting the borehole with a neat cement/bentonite grout. See the attached Figure 6 for the construction details of all temporary injection wells.


1
Drive Cap
Probe Rod
Drive Head
Sampler Sheath
Expendable Drive Point (Steel or Aluminum)
2
Operator holds down on extension rods to keep screen in place as tool string is retracted
Extension rods pass through sampler to bottom of screen
Stainless steel or PVC screen
Screen Push Adapter
Expendable drive point remains downhole

ATTACHMENT C: OPERATION DATA

1. Source area groundwater treatment:
   Average daily injection = 1,568.30 gallons water
   1,114.29 pounds of RegenOx®

2. Average injection pressure: 30-50 psi
   Maximum injection pressure: 250 psi

3. Temporary injection through points installed by a direct-push rig and injection pump in the source area.

4. NA (no contaminants to be injected)

5. All injection related activities are expected to be completed within one (1) year after startup.

ATTACHMENT D: MONITORING PROGRAM

1. Throughout and after the injection project, fluid chemistry, fluid flow properties and aquifer properties will be monitored. Monitoring parameters and locations are shown on the following table.

Category	Monitoring Parameter	Monitoring Location
Fluid chemistry	Field parameters [pH, Dissolved oxygen, Oxidation-reduction potential (ORP)] Contaminants [petroleum products (benzene, toluene, ethylbenzene, xylenes, methyl-tert-butyl ether, naphthalene, 1,2-dichloroethane, oxygenates and 1,2-dibromoethane)]	Monitoring wells: Monitoring wells MW-1R, MW-2, MW-3, MW-4, MW-4I, MW-12, MW-12I, MW-14, MW-14I, MW-17, MW-17I, MW-20, MW-22, MW-22I, MW-24R, MW-25, MW-26, MW-26I, MW-X, and MW-XR). Surface water sample SW-1. Twelve (12) weeks after the third round of enhanced AFVR.
Fluid flow properties	Pressure (during injection only)	Injection point
Aquifer Properties	Water levels	Monitoring wells

2. Two (1) interim sampling events utilizing wells MW-X, MW-1, MW-2, MW-21, MW-24, RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, and surface water sample SW-1 will be sampled for the parameters listed above between event 1 and 2 and between events 2 and 3. Interim sampling will occur approximately two (2) weeks following the last of the three (3) planned AFVR events per injection.

3. For performance monitoring, groundwater samples will be collected twelve (12) weeks after the final application as detailed in the table above. Since monitoring wells MW-1 and MW-24 will be

utilized in the AFVR events, two (2) replacement monitoring wells (MW-1R and MW-24R) will be installed immediately prior to the first limited sampling event.

4. Two (2) limited sampling events utilizing the monitoring wells sample locations listed above and two (2) comprehensive sampling events utilizing all remaining monitoring wells at the site will be performed to effectively monitor the results of remedial activities.

5. Additionally, monitoring wells MW-1 and MW-24 as well as recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, and RW-6 will not be sampled but gauged for the presence of free-phase gasoline during the post-injection limited and comprehensive sampling events.

ATTACHMENT E: EXISTING OR PENDING STATE/FEDERAL PERMITS

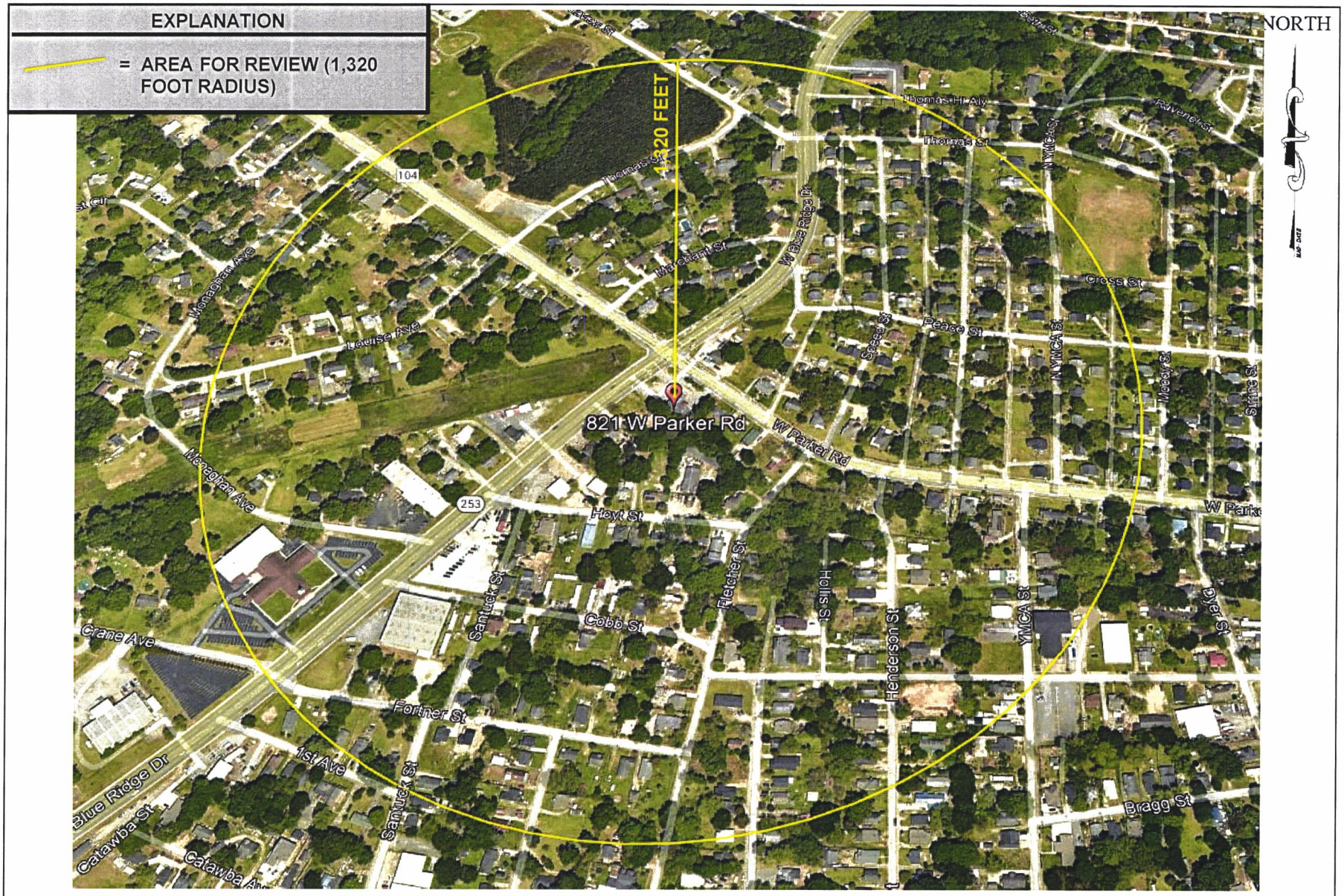
SCDES UST Site ID No: 12430

ATTACHMENT F: DESCRIPTION OF BUSINESS

Currently there is an active gasoline station on the subject site.

ATTACHMENT G: AREA OF REVIEW

See Figure 7 on the following page.



SOURCE: GOOGLE EARTH

ENVIROSOUTH
Environmental Consultants

AREA FOR REVIEW

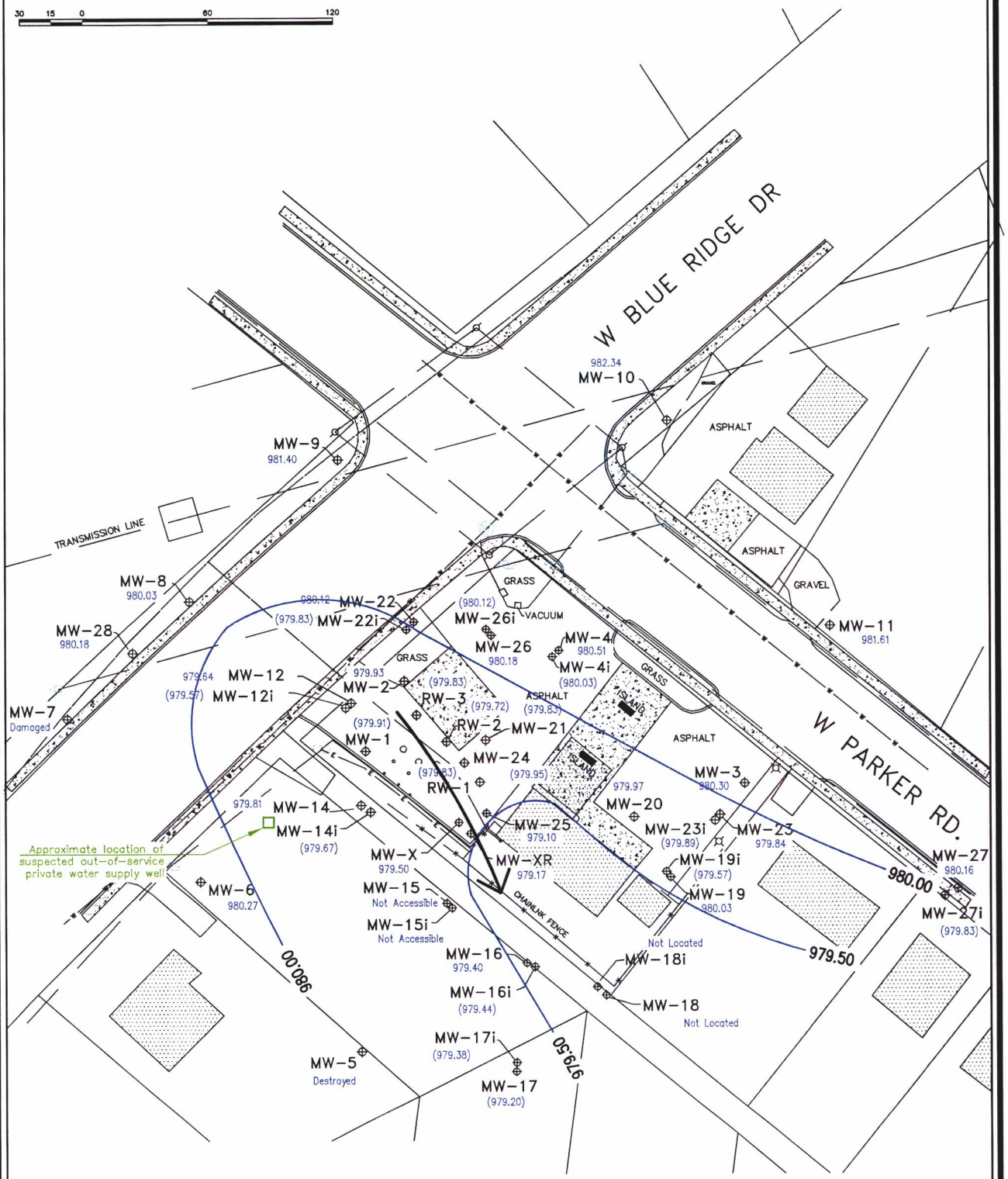
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

JOB NO.: 3570	CHECKED BY: MAM	FIGURE: 7
SCALE: NOT SHOWN	DRAWN BY: BD	DATE: 12/23/2024

ATTACHMENT H: MAPS OF WELLS AND AREA OF REVIEW

See Figures 8 and 9 on the following pages documenting November 2023 groundwater elevations and concentrations.

REFERENCE: Site Survey by Souther Land Surveying dated 4 May 2017; Revised 2 October 2017; Revised 12 May 2018



Groundwater Monitoring Well

Groundwater Potentiometric Contour
Contour Interval = 0.5-feet

541.28 Groundwater Elevation (November 13, 2023)

(541.28) Groundwater Elevation Not Used For Contouring Purposes

Approximate Groundwater Flow Direction

Title	Groundwater Potentiometric Map – Shallow Interval
Project	Westside Quick Stop (UST Permit #12430) 821 West Parker Road Greenville, South Carolina Greenville County
Date	11/27/23
Job No.	J23-898e

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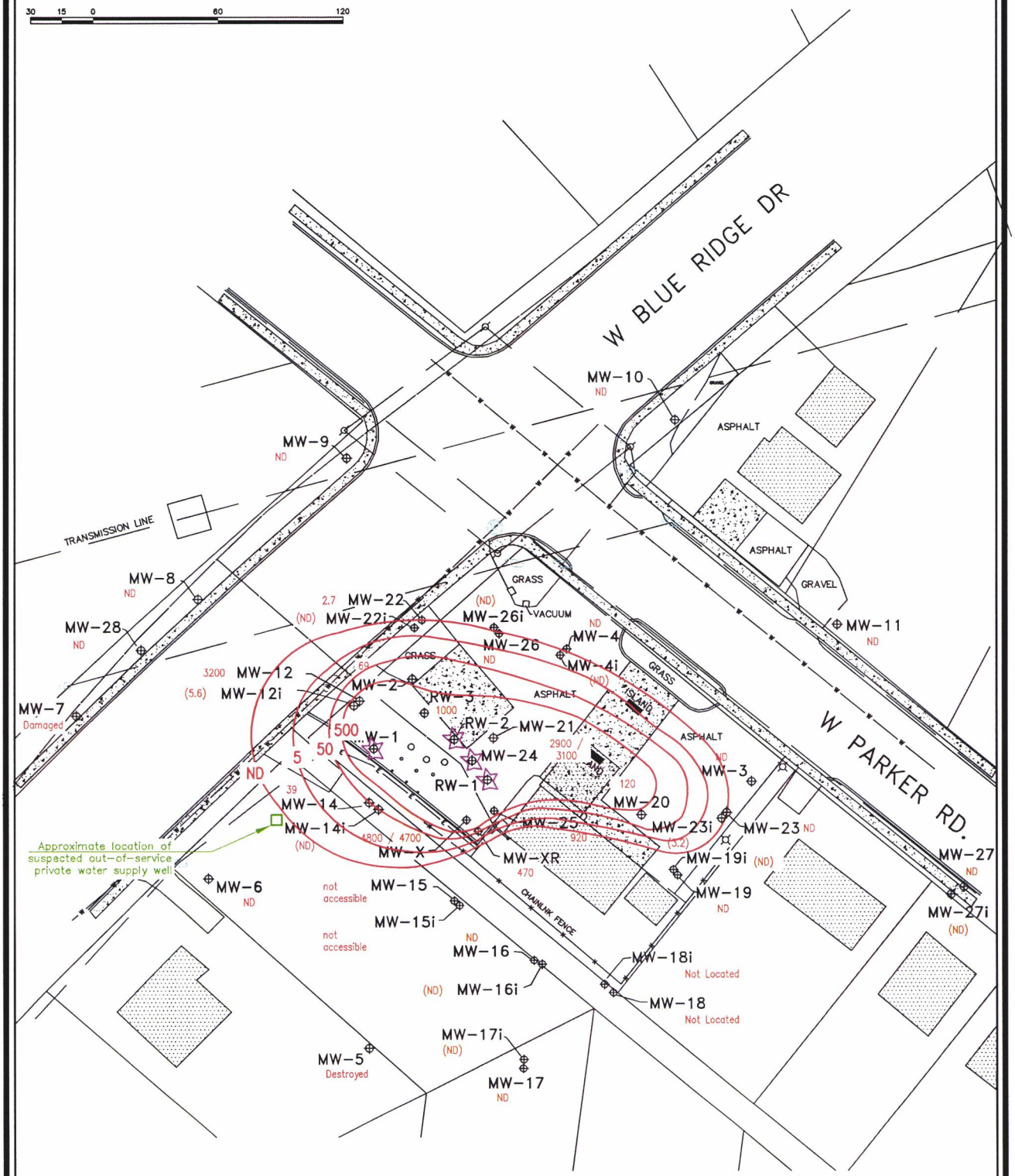
Figure No. 8

REFERENCE: Site Survey by Souther Land Surveying dated 4 May 2017; Revised 2 October 2017; Revised 12 May 2018



Groundwater Monitoring Well

Free-Phase Petroleum Product Present

2.5J Benzene Concentration in Micrograms Per Liter

(2.5J) Benzene Concentration in Micrograms Per Liter Not Used For Contouring Purposes

Benzene Isoconcentration Line

Title	Benzene Isoconcentration Map – November 2023
Project	Westside Quick Stop (UST Permit #12430) 821 West Parker Road Greenville, South Carolina Greenville County
Date	12/01/23
Job No.	J23-898e

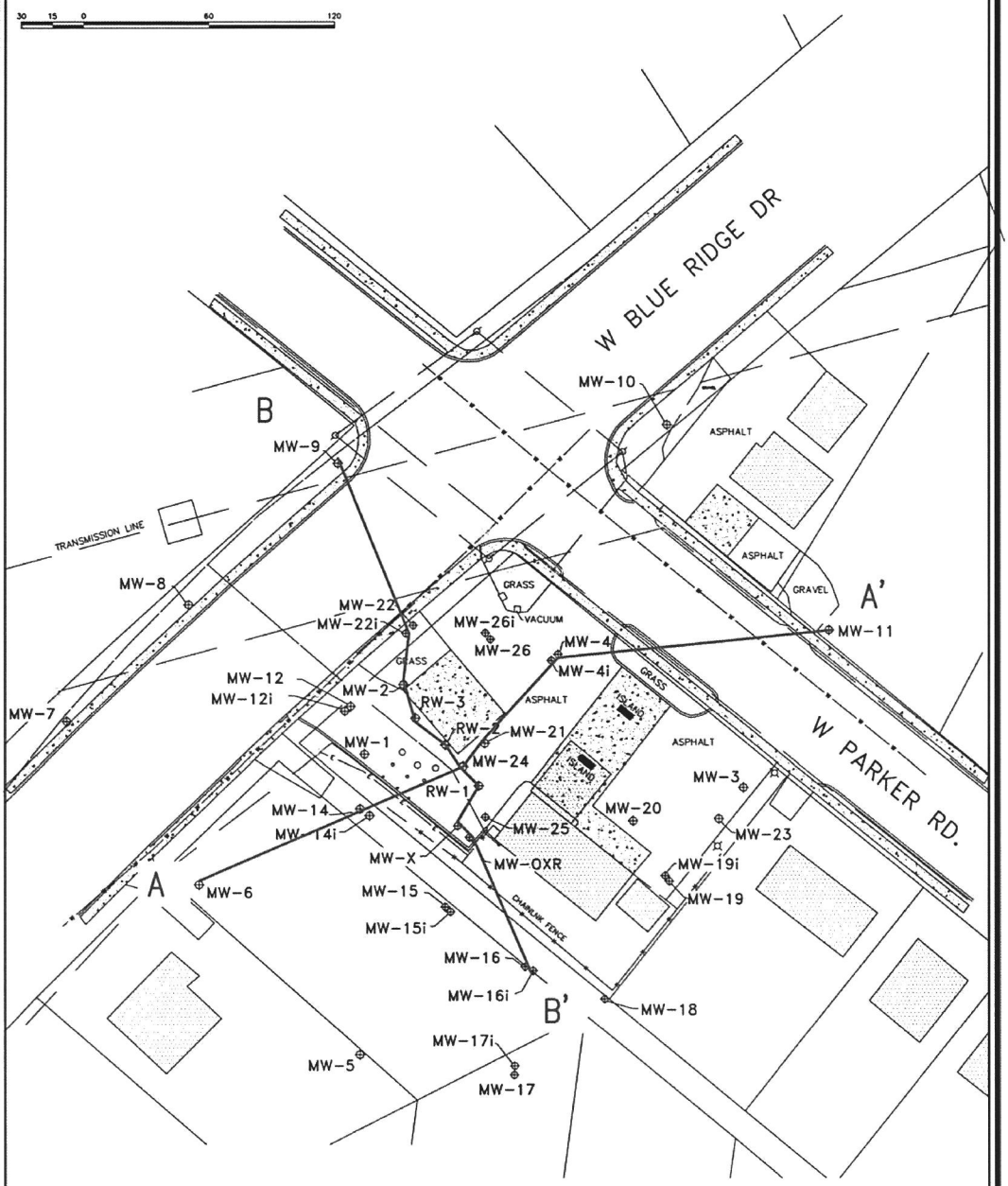
petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS

Figure No. 9

ATTACHMENT I: CROSS SECTIONS/DIAGRAMS

Cross-sectional diagrams from the June 2017 Tier II Assessment (Figures 10 through 12) for the contaminant plume area are included on the following pages.

REFERENCE: Site Survey by Souther Land Surveying dated 4 May 2017



Groundwater Monitoring Well

Title	Subsurface Geologic Cross-Section Reference Map
Project	Westside Quick Stop (UST Permit #12430) 821 West Parker Road Greenville, South Carolina Greenville County
Date	02/04/2017
Job No.	J16-232-A

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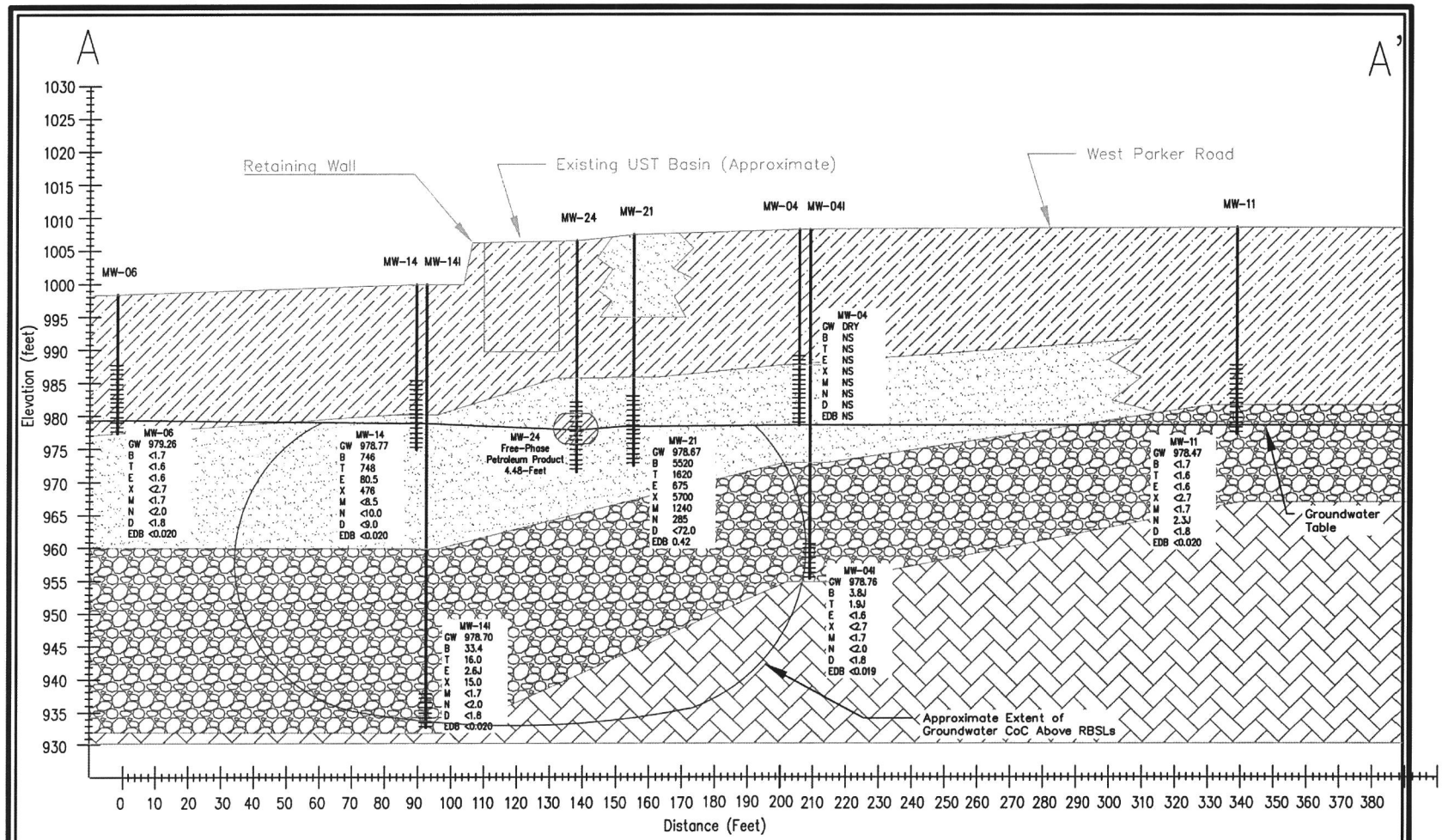
Figure No. 10



Predominantly Silty Sand

Predominantly Sandy Silt & Clayey Silt

Predominantly Partially Weathered Rock

Bedrock – Gneissic Granite

GW – Groundwater Elevation
B – Benzene
T – Toluene
E – Ethylbenzene
X – Xylenes
M – Methyl-Tert-Butyl Ether
N – Naphthalene
D – 1,2-Dichloroethane
EDB – Ethylene Dibromide

Note: Please refer to Figure 5a for Geologic Cross-Section Reference Map

TITLE	Geologic Cross Section A-A'
PROJECT	Westside Quick Stop (UST Permit #12430) 821 West Parker Road Greenville, South Carolina Greenville County
DATE	05/20/2017
JOB NO.	J16-232-A

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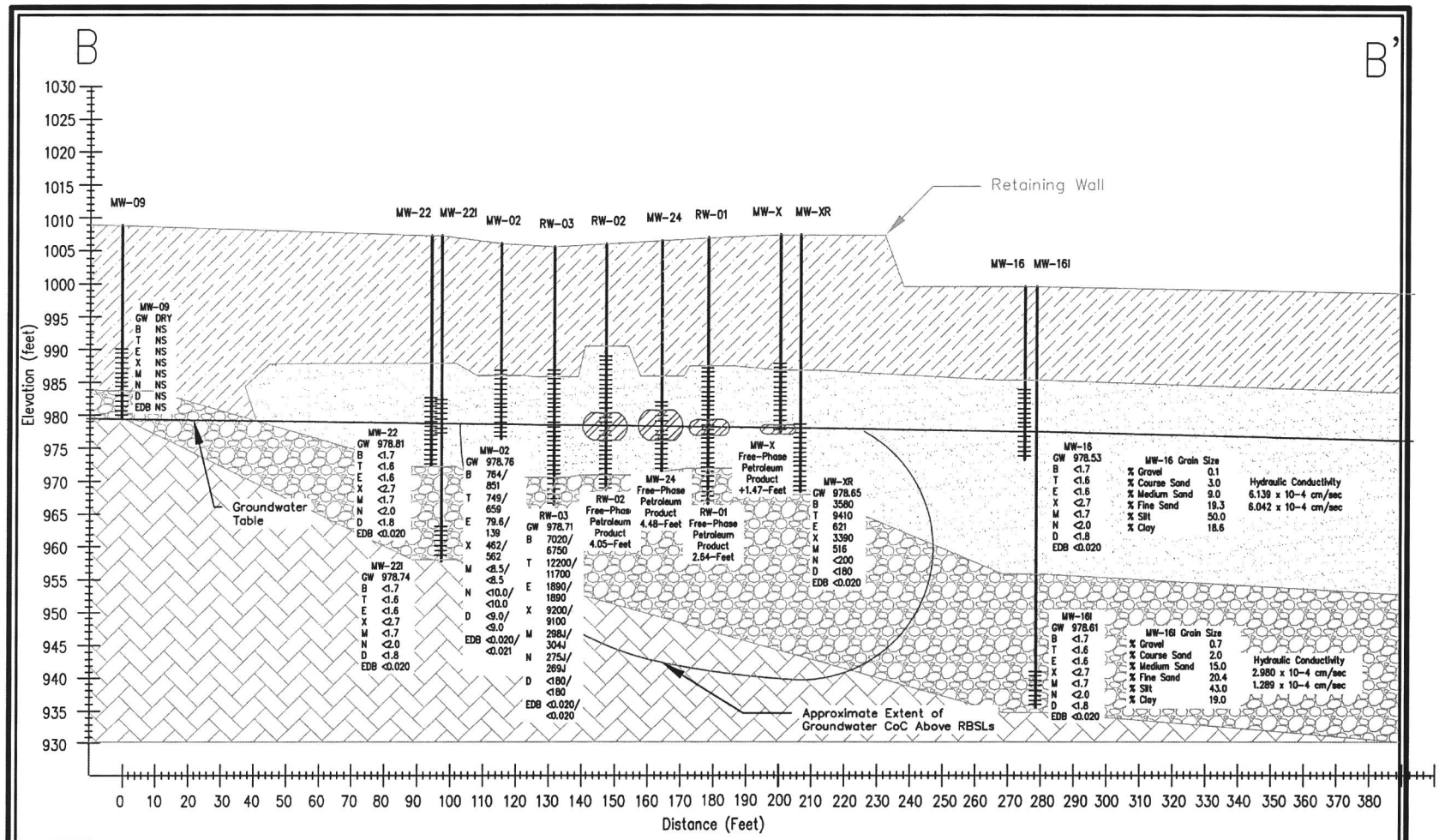
Figure No. 11



Predominantly Silty Sand

Predominantly Sandy Silt & Clayey Silt

Predominantly Partially Weathered Rock

Bedrock – Gneissic Granite

GW – Groundwater Elevation
B – Benzene
T – Toluene
E – Ethylbenzene
X – Xylenes
M – Methyl-Tert-Butyl Ether
N – Naphthalene
D – 1,2-Dichloroethane
EDB – Ethylene Dibromide

Note: Please refer to Figure 5a for Geologic Cross-Section Reference Map

TITLE	Geologic Cross Section B-B'
PROJECT	Westside Quick Stop (UST Permit #12430) 821 West Parker Road Greenville, South Carolina Greenville County
DATE	05/20/2017
JOB NO.	J16-232-A

petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS

Figure No. 12

ATTACHMENT J: NAME AND DEPTH OF UNDERGROUND SOURCES OF DRINKING WATER (USDW'S)

Currently, there is a suspected out-of-service private water supply well on the adjoining property to the south/southwest of the subject site. This well was not observed during a site visit to verify its existence on October 1, 2024.

The injection fluid at the proposed injection points will enter at the top and below the water table (21 to 42 feet bgs). The injectate dissolved materials will be extracted during the AFVR events post injection. Any remaining injectate-dissolved materials will degrade by a variety of biological and geochemical processes. No spreading is expected beyond a distance of 10 to 20 feet from the injection wells.

ATTACHMENT K: HYDRAULIC CONTROL

Groundwater transmissivity, conductivity, and effective porosity are low and in the typical range for Piedmont soils ($K=1x10^{-5}$ cm/sec range). Hydraulic control of the injected fluid will occur as a result of rapid bio- and geo-chemical breakdown within the immediate area of injection.

Document Receipt Information

[X] Hard Copy [redacted] CD [ ] Email

Date Received 03/06/2025

Permit Number 12430

Project Manager Adam Looper

Name of Contractor EnviroSouth

Description Corrective Action Plan- Revision 1

Docket Number 83T

Scanned _____

Verified _____

ENVIROSOUTH
Environmental Consultants

RECEIVED
MAR 06 2025
UST DIVISION

February 27, 2025

UST DOCKETING 83T

Mr. Adam Looper
SCDES
UST Management Division
2600 Bull Street
Columbia, South Carolina 29201

Re: Corrective Action Plan - Revision 1
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES UST ID #12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

On behalf of Shree Gajvakra, LLC, EnviroSouth, Inc. is pleased to submit the attached Corrective Action Plan – Revision 1 for the above-referenced facility in Greenville, South Carolina.

The purpose of this revision was to address comments received from your office regarding your review of the Corrective Action Plan submitted in December 2024.

If you have any questions concerning our submittal, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

cc: Ankur Patel, Shree Gajvakra, LLC

ENVIROSOUTH
Environmental Consultants

February 27, 2025

Mr. Adam Looper
SCDES
UST Management Division
2600 Bull Street
Columbia, South Carolina 29201

Re: Corrective Action Plan - Revision 1
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES UST ID #12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

On behalf of Shree Gajvakra, LLC, EnviroSouth, Inc. is pleased to submit the attached Corrective Action Plan – Revision 1 for the above-referenced facility in Greenville, South Carolina.

The purpose of this revision was to address comments received from your office regarding your review of the Corrective Action Plan submitted in December 2024.

If you have any questions concerning our submittal, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

cc: Ankur Patel, Shree Gajvakra, LLC

Prepared for:

Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

CORRECTIVE ACTION PLAN – REVISION 1

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

Job No. 3570
SCDES UST ID #12430

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

UST Contractor #257

February 27, 2025

A report prepared for:

Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

CORRECTIVE ACTION PLAN – REVISION 1
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

EnviroSouth Job No. 3570
SCDES UST Permit No. 12430

Prepared by:

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UST Contractor #257

February 27, 2025

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INTRODUCTION

EnviroSouth, Inc. has completed this Corrective Action Plan (CAP) – Revision 1 for the Westside Quick Stop facility as requested by the South Carolina Department of Environmental Services (SCDES) in a letter dated October 11, 2024 and a phone conversation on February 24, 2025. This document outlines the plan for targeted-scope corrective action to achieve regulatory closure for release #1 and release #2 at the Westside Quick Stop facility.

The Westside Quick Stop facility is located at 821 W. Parker Road, in the city of Greenville, Greenville County, South Carolina at the location displayed on Figure 1. The facility is located in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road with W. Blue Ridge Drive. The site is an active gasoline station that maintains four (4) regulated underground storage tanks (USTs) and associated piping and dispensers. The site has two (2) documented and open petroleum UST releases. Release #1 was reported in June 2012 and release #2 was reported in October 2012. Both releases are the subject of this targeted scope corrective action. An unnamed tributary of Long Branch is also located approximately 500 feet to the southeast of the site.

SUMMARY OF ASSESSMENT

An Initial Groundwater Assessment (IGWA), Tier I Assessment, and an initial Tier II Assessment were completed in response to these two (2) releases. Because of the presence of free-phase product (gasoline) in monitoring well MW-1 during a May 2016 groundwater gauging event conducted by the South Carolina Department of Environmental Services (SCDES; formerly known as the SCDHEC), an additional Tier II Assessment and two 96-hour Aggressive Fluid Vapor Recovery/Mobile Multi-Phase Extraction (AFVR/MMPE) events were completed at the site in early 2017. Additional 96-hour AFVR/MMPE events were completed at the site in May 2018, January 2020, February 2021, March 2021, February 2022, and March 2022. Four (4) additional 96-hour AFVR/MMPE events and a comprehensive groundwater sampling event were performed between September 2023 to October 2023. A Comprehensive Groundwater Monitoring report detailing these field activities was submitted in December 2023.

After completing twelve (12) 96-hour AFVR events (as detailed above), widespread free-phase product remains at thicknesses up to 1.14 feet (November 2023).

While product thickness reductions have been observed, these releases cannot be closed until product thicknesses are reduced to less than 0.01 feet and dissolved contaminant concentrations are below site-specific target levels (SSTLs). Based on the persistence of free-phase product, it has become evident that an alternative, more aggressive, approach to reach closure is needed. Therefore, the SCDES calculated SSTLs and requested a Strategy to Closure in a letter dated July 19, 2024.

A Strategy to Closure was submitted to the SCDES on August 20, 2024. Following the Strategy to Closure submittal, a meeting with the SCDES to discuss the Strategy to Closure and requested changes from the department occurred. Following the meeting, the SCDES requested a Corrective Action Plan (CAP) in a letter dated October 11, 2024 and a revision to the CAP in a phone conversation on February 24, 2025.

PROPOSED CORRECTIVE ACTION

Permitting

A SCDES underground injection control (UIC) permit application has been prepared and was previously submitted to the UIC program at the SCDES. A memo from the State Toxicologist's office referencing the safety of RegenOx® for the intended purpose is also attached.

Recovery Well Installation

Prior to injection and AFVR activities, five (5) 4-inch diameter recovery wells (RW-4, RW-5, RW-6, RW-7, and RW-8) will be installed at the locations shown on the attached Figure 2. The recovery wells will be completed by a South Carolina licensed driller using decontaminated hollow stem augers to a depth of 42 feet below ground surface (bgs) with 4-inch diameter schedule 40 casing and 20-foot sections of 0.010-inch slotted screen. A recovery well schematic is included as Figure 3.

The recovery wells will be completed at grade with a steel manhole cover and concrete pad. Water well record forms and development forms for each well will be completed by the licensed driller and submitted to the department in the first report following the respective installation of the recovery wells.

Well Abandonment

Monitoring well MW-7 will be abandoned during the recovery well installation detailed above. This well has been obstructed during the past two (2) sampling events, remains currently obstructed, and has not had concentrations of petroleum compounds detected at concentrations of regulatory concern since 2015. Monitoring well MW-28, immediately to the northeast of well MW-7, will remain and continues to define the plume in this direction as a “clean” well. MW-7 will be abandoned in accordance with the South Carolina Well Standards and Regulations R. 61-71 by pressure injecting neat cement grout from the bottom up. A well abandonment record and photos will be included in the first report.

Baseline Monitoring

All existing monitoring wells will be sampled during a baseline comprehensive sampling event prior to injection and AFVR activities at the site. Surface water SW-1 (Figure 2) will also be sampled during the event. Recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, RW-7, and RW-8 will be gauged only for the presence of free-phase product during the baseline sampling event. This data will be compared to the interim performance monitoring data (as detailed in a section below) and used to evaluate the effectiveness of the source area treatment. Samples will be analyzed for benzene, toluene, ethylbenzene, xylenes (total), methyl-tert-butyl ether, naphthalene (BTEXMN), 1,2-dichloroethane (1,2-DCA), and eight (8) oxygenates by EPA method 8260 and 1,2-dibromoethane (EDB) by EPA method 8011.

Source Area Groundwater Treatment Approach and Execution Details

The remediation strategy proposed in the source area surficial aquifer is by enhanced AFVR, which will consist of three (3) rounds of in-situ chemical oxidation with each round being followed by three (3) 96-hour AFVR events for a total of nine (9) 96-hour AFVR events. A solution of water and RegenOx® placed by temporary underground injection wells will be utilized to oxidize and de-sorb the petroleum hydrocarbons in the source area. Each of the three (3) injection events will utilize forty-nine (49) temporary injection wells and will be spaced approximately ten (10) weeks apart. Each series of three (3) enhanced AFVR events will begin approximately three (3) weeks following their respective injection events and will occur over a

three (3) week time period. The AFVR events will utilize recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, RW-7, and RW-8 on a rotating schedule. Please see the attached Gannt Schedule for a more detailed treatment schedule as well as which wells will be utilized during which AFVR event. The treatment area is approximately 2,400 square feet, and the injection interval extends from 21 to 42 feet bgs. Approximately 32,760 pounds of RegenOx® mixed with 46,108 gallons of water will be necessary to meet the stoichiometric demands of the planned enhanced AFVR approach.

The temporary injection wells will be installed using a Geoprobe 7822DT drill rig with 1.50-inch diameter probe rods and a five-foot injection rod utilized in a bottom-up injection fashion. Figure 4 is a schematic diagram showing the general diagram of all injection well locations. Figures 5 through 7 are proposed temporary injection well locations per round. Each injection well borehole will be properly abandoned using pressure-injected neat cement grout immediately upon completion.

Interim Performance Monitoring

Monitoring wells MW-X, MW-XR, MW-1, MW-2, MW-12, MW-12I, MW-21, MW-24, and MW-25 will be sampled during two (2) interim performance monitoring events to evaluate the effectiveness of each series of three (3) enhanced AFVR events. Surface water SW-1 (Figure 2) will also be sampled during the events. Recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, RW-7, and RW-8 will be gauged only for the presence of free-phase product (gasoline) during both interim performance monitoring events because of their usage during the AFVR events. The interim sampling events will take place approximately two (2) weeks after the end of the 1st AFVR event series and 2nd AFVR event series. Each well will be gauged for free-phase gasoline and sampled using a low-flow sampling technique. Samples will be analyzed for BTEXMN, 1,2-DCA, and eight (8) oxygenates by EPA method 8260 and EDB by EPA method 8011. Sample analysis will be expedited on a two-day turnaround time to minimize loss of injectate efficacy between rounds.

Groundwater Monitoring

It is anticipated that SSTLs will be attained within six (6) months after enhanced AFVR activities

are completed. Two (2) limited quarterly sampling events will be performed utilizing select wells (wells MW-1, MW-2, MW-3, MW-4, MW-4I, MW-12, MW-12I, MW-14, MW-14I, MW-17, MW-17I, MW-20, MW-21, MW-22, MW-22I, MW-24, MW-25, MW-26, MW-26I, MW-X, and MW-XR). Surface water SW-1 (Figure 2) will also be sampled during the limited quarterly sampling events.

Two (2) comprehensive sampling events utilizing all remaining wells and a surface water sample (SW-1) will be performed in the third and fourth quarters after remedial activities are completed. All samples collected during the limited and comprehensive sampling quarterly events will be analyzed for benzene, toluene, ethylbenzene, xylenes (total), methyl-tert-butyl-ether, naphthalene, 1,2-dichloroethane, and eight (8) oxygenates by EPA method 8260 and 1,2-dibromoethane by EPA method 8011.

Recovery wells RW-1, RW-2, RW-3, RW-4, RW-5, RW-6, RW-7, and RW-8 will be gauged only for the presence of free-phase product (gasoline) during all post-remedial activity sampling events because of their usage during the AFVR events.

Because of the high mass of petroleum hydrocarbons present in the source area, 100% reduction is not expected. Residual hydrocarbons, including those listed above are expected to remain at levels lower than the SSTLs. The three (3) proposed applications are expected to reduce the starting petroleum hydrocarbon concentrations below SSTLs.

Contaminant migration as a result of the planned injection activities is not expected to occur. No potential exposure pathways for humans, animals, or the environment are expected. This opinion is based on the fact that the injection area is located outside of the footprint of any structures and the injection depth interval is from 21 to 42 feet bgs. The nearest receptor is a creek located approximately 500 feet to the southeast of the site.

Following the quarterly groundwater sampling events detailed above, confirmation of continuing groundwater concentrations below SSTLs, and SCDES approval, all monitoring and recovery wells at the site will be properly abandoned by a South Carolina licensed driller.

Contingency Plan

In the event that interim performance monitoring indicates the planned enhanced AFVR is insufficient to achieve site-closure, alternative techniques will be utilized with remaining approved funds to reach closure. EnviroSouth will submit addendums to the Corrective Action Plan – Revision 1 and Underground Injection Control Permit, as necessary, in the event that a contingency plan is required.

Spill Prevention

The sodium percarbonate mixture will come in two (2) separate packings. Part A of the injectate will be packaged in sealed 40-pound plastic bags and not opened until ready for mixing. Part B of the injectate will be packaged in sealed 400-pound drums and not opened until ready for mixing. The solution of water and sodium percarbonate will be contained in plastic tanks/totes with secured lids during the mixing and injection process. A spill containment kit will be onsite at all times during the operation. The kit will contain absorbent pads, socks and booms, absorbent clay, and a wet-vac capable of capturing any spills or leaks that may arise during the operation.

Waste Materials

Sodium percarbonate bags will be emptied of all contents and placed in heavy-duty contractor trash bags daily for future disposal at an approved landfill.

Electron acceptor drums will be emptied of all contents and disposed of at an approved landfill.

Spent absorbent pads, socks, booms, and absorbent clay necessary to manage spills or leaks will be managed as investigation derived waste (IDW) and will be placed in labeled 55-gallon steel drums and disposed under manifest control at an approved landfill.

Equipment Deactivation

After completion of each injection application, all equipment brought to the site will be removed.

Parcel Information

The subject property and adjoining properties parcel information are attached.

Site-Specific Health and Safety Plan

A site-specific health and safety plan for this work was included in the previous revision.

Pertinent Contacts

South Carolina Department of Environmental Services

SCDES Project Manager:	Mr. Adam Looper
Telephone Number:	(803) 898-0631

Environmental Consultant

Contractor:	EnviroSouth
Site Contact:	Mr. William Lyons, P.G.
Telephone Number:	(864) 979-7862
Address:	3440 Augusta Road
	Greenville, South Carolina 29605

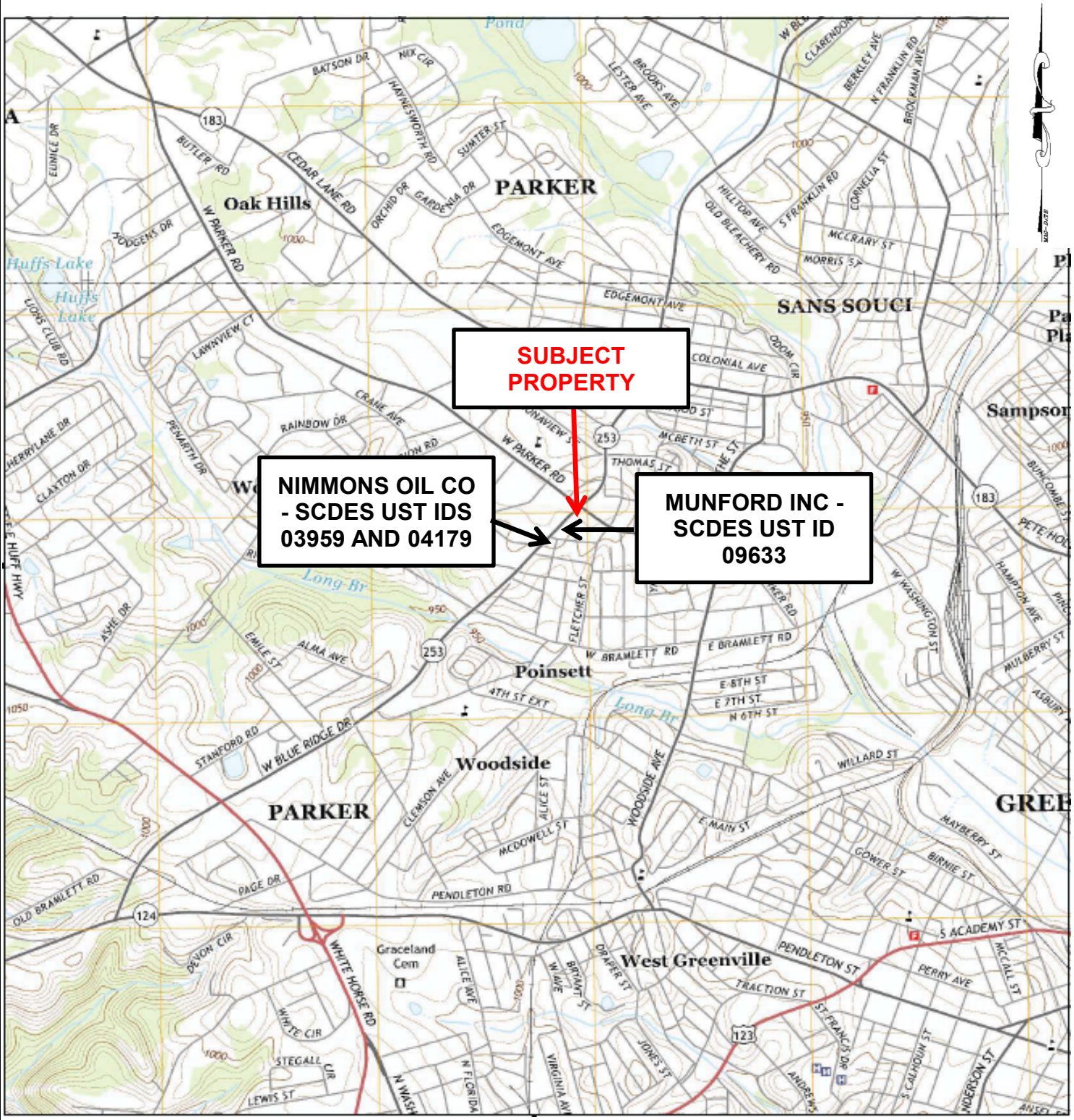
Chemical Manufacturer

Injectate:	RegenOx®
Provider:	Regenesis
Contact:	Mr. Daniel Pile
Telephone:	(470) 757-8560
Address:	1101 Calle Sombra
	San Clemente, California 92673

Implementation Schedule

A revised Gantt chart showing the proposed implementation schedule is attached.

FIGURES



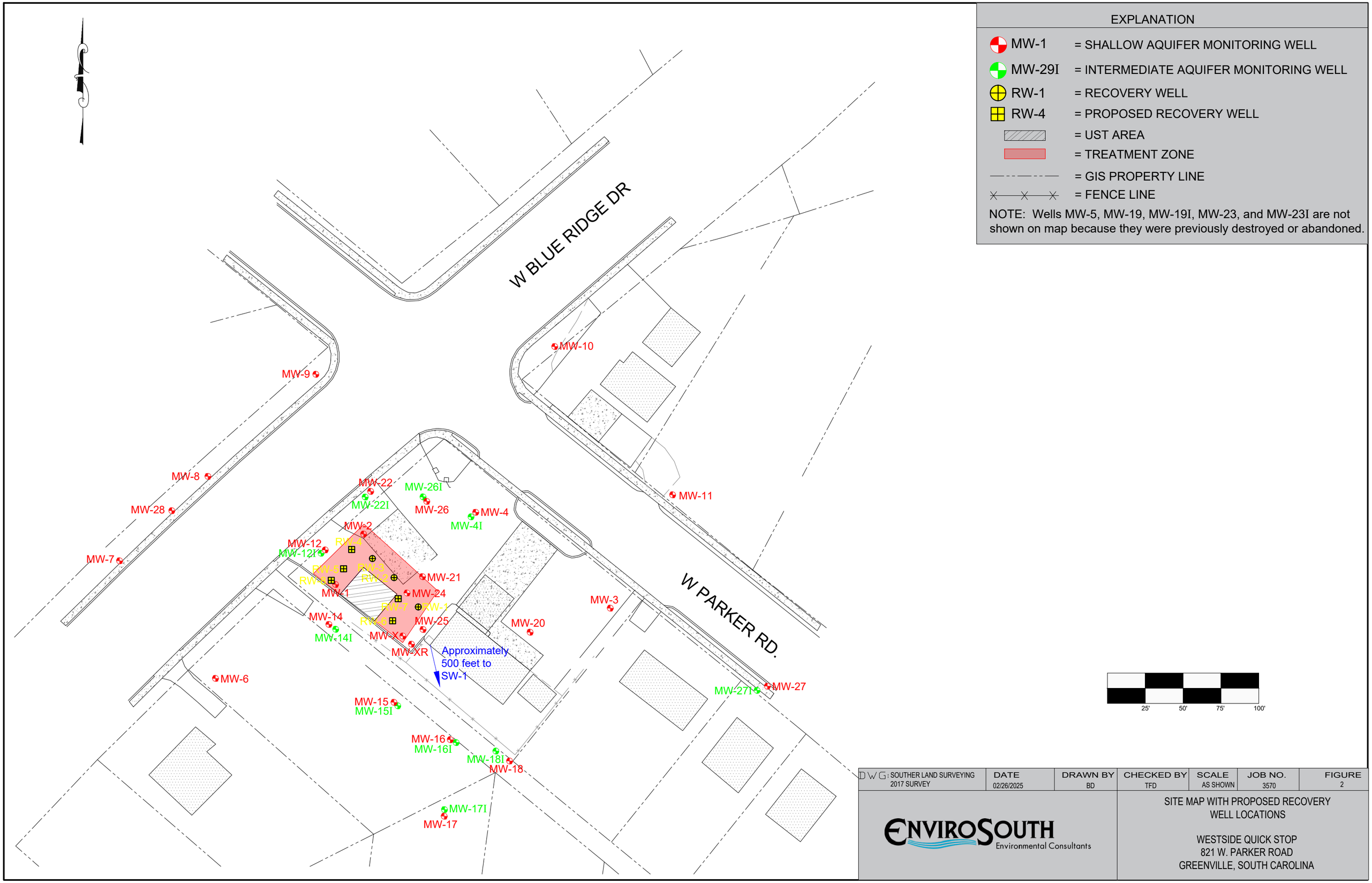
SOURCE: USGS 7.5' QUADRANGLE MAP 2014, GREENVILLE, SC

ENVIROSOUTH
Environmental Consultants

SITE VICINITY MAP

COMMERCIAL PROPERTY
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA
SCDES UST ID NO. 12430

JOB NO.: 3570	CHECKED BY: KM	FIGURE: 1
SCALE: NOT SHOWN	DRAWN BY: BD	DATE: 11/21/2024

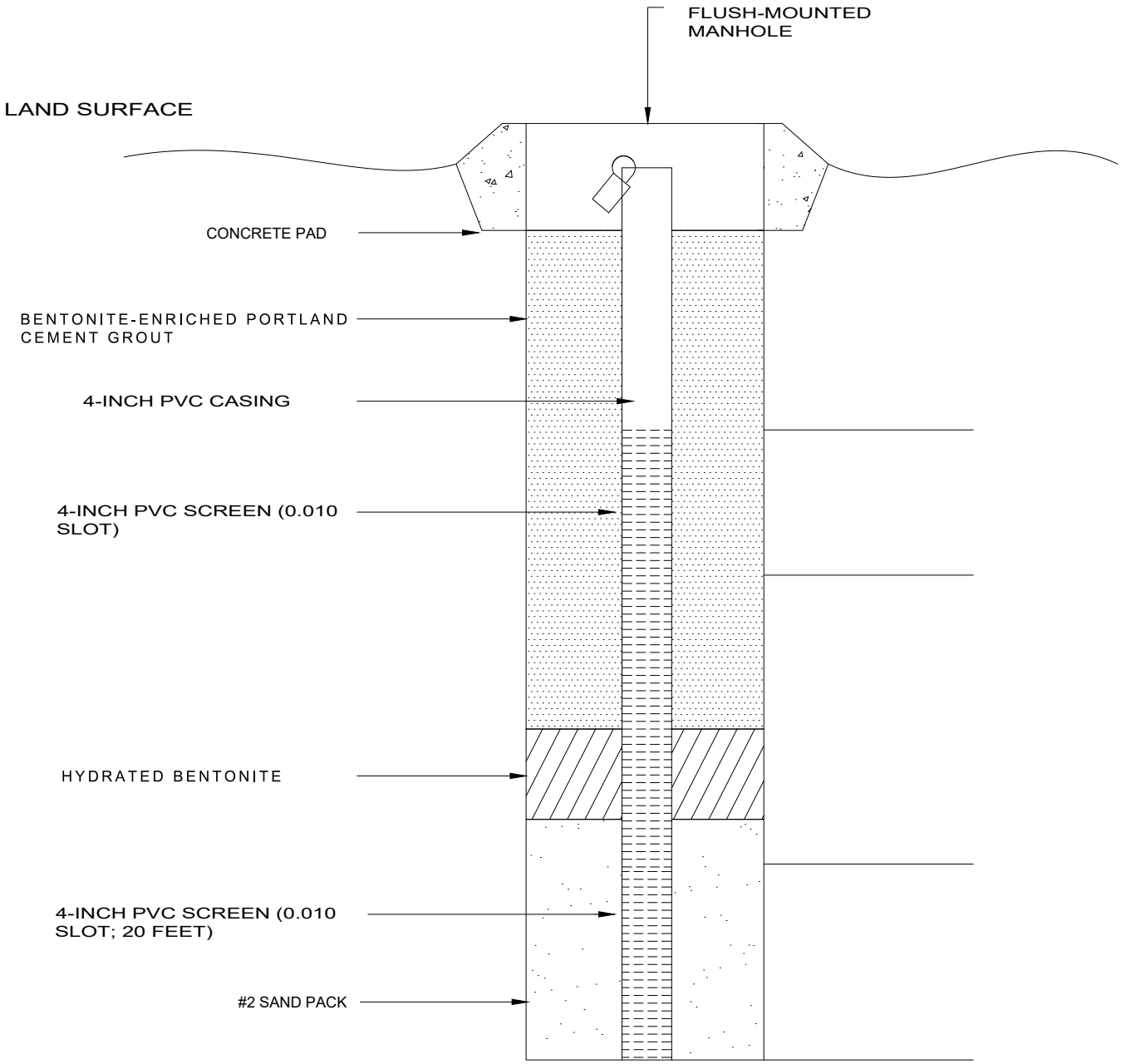


DWG: SOUTHER LAND SURVEYING 2017 SURVEY	DATE 02/26/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 2

ENVIROSOUTH Environmental Consultants

SITE MAP WITH PROPOSED RECOVERY WELL LOCATIONS

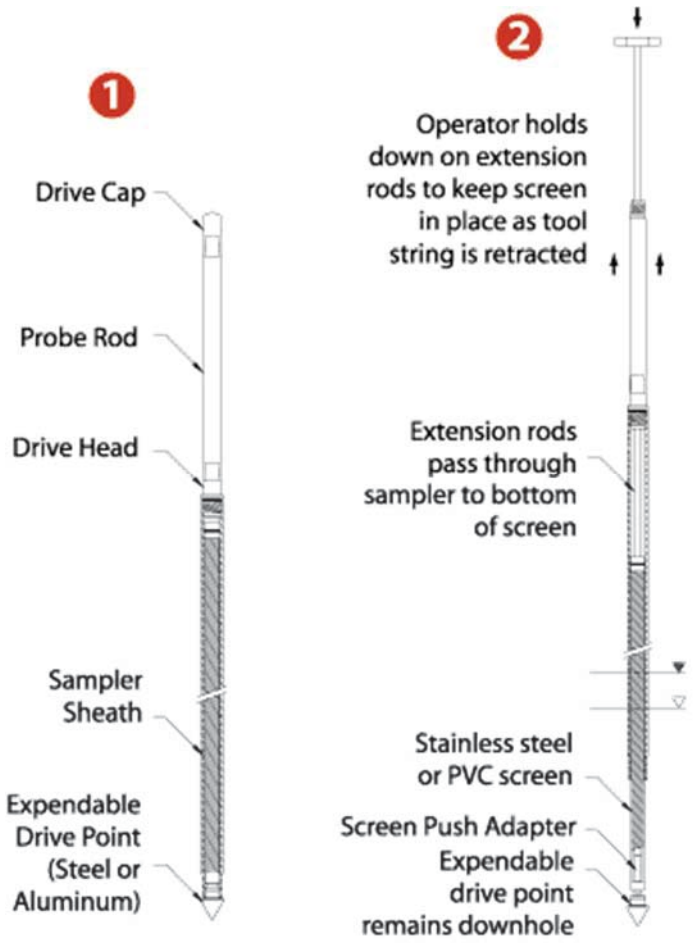
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

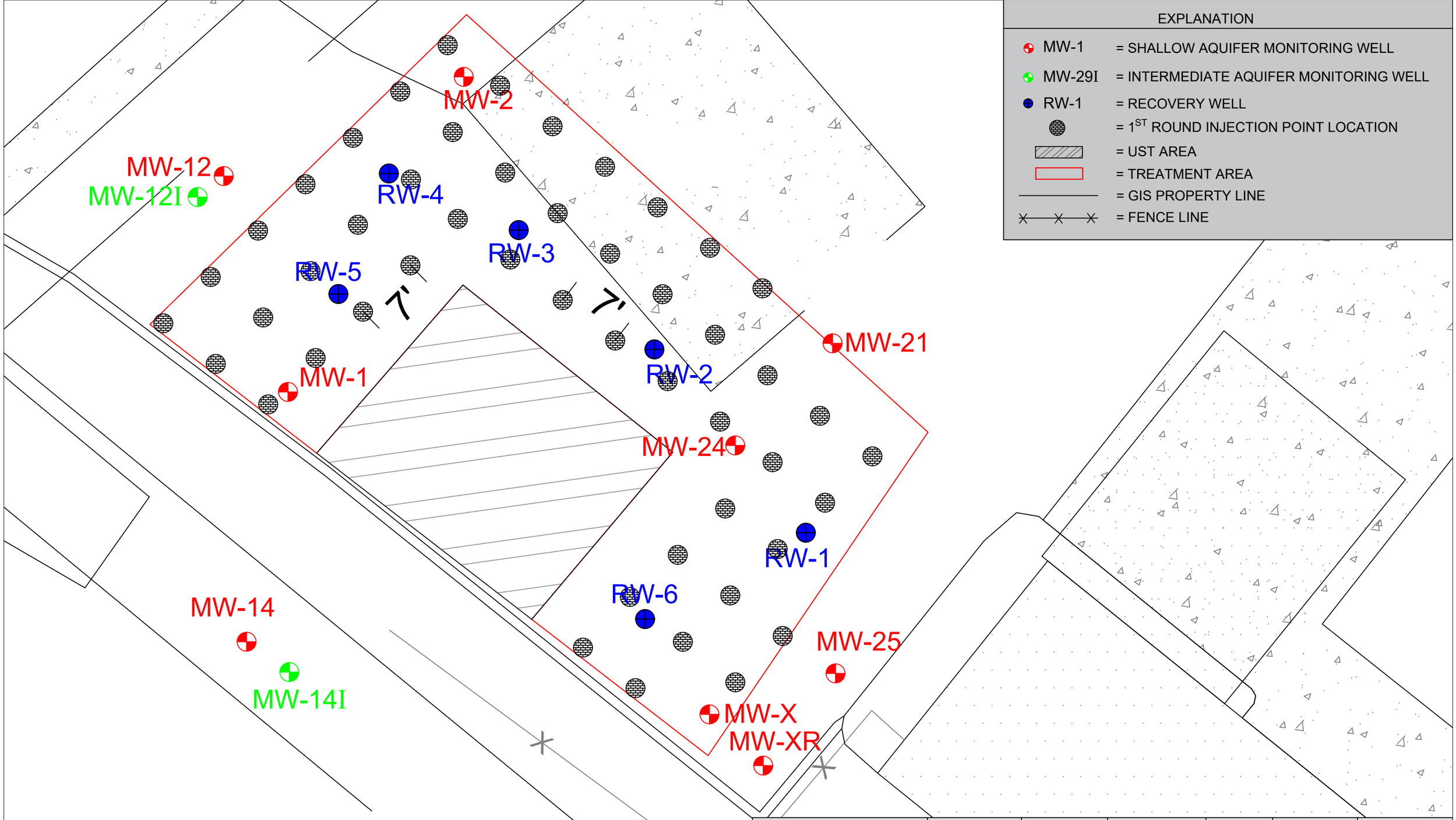


ENVIROSOUTH Environmental Consultants

RECOVERY WELL DIAGRAM
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

FIGURE: 3


1
Drive Cap
Probe Rod
Drive Head
Sampler Sheath
Expendable Drive Point (Steel or Aluminum)
2
Operator holds down on extension rods to keep screen in place as tool string is retracted
Extension rods pass through sampler to bottom of screen
Stainless steel or PVC screen
Screen Push Adapter
Expendable drive point remains downhole

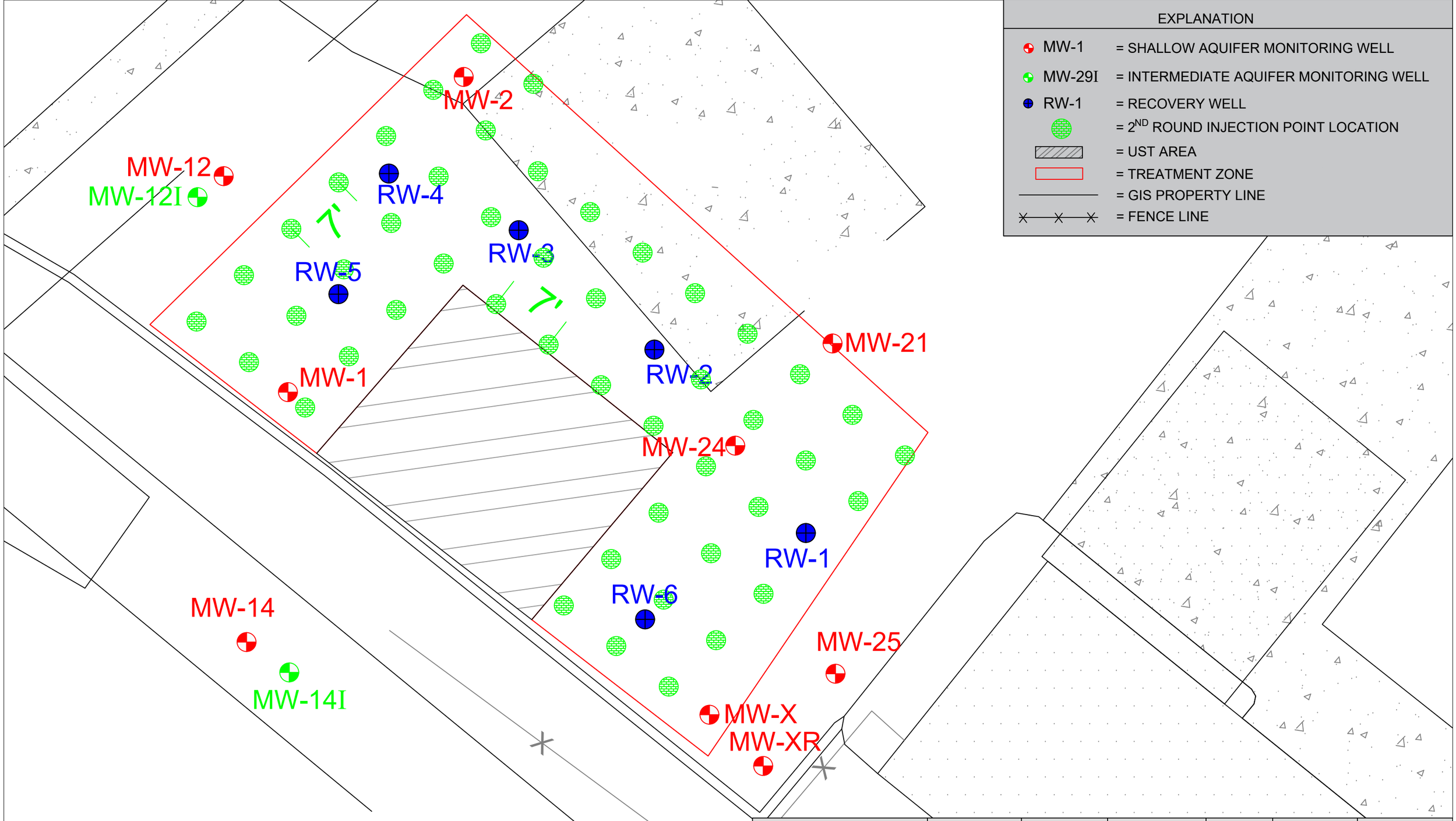


DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	12/20/2024	BD	TFD	AS SHOWN	3570	5

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 1ST ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

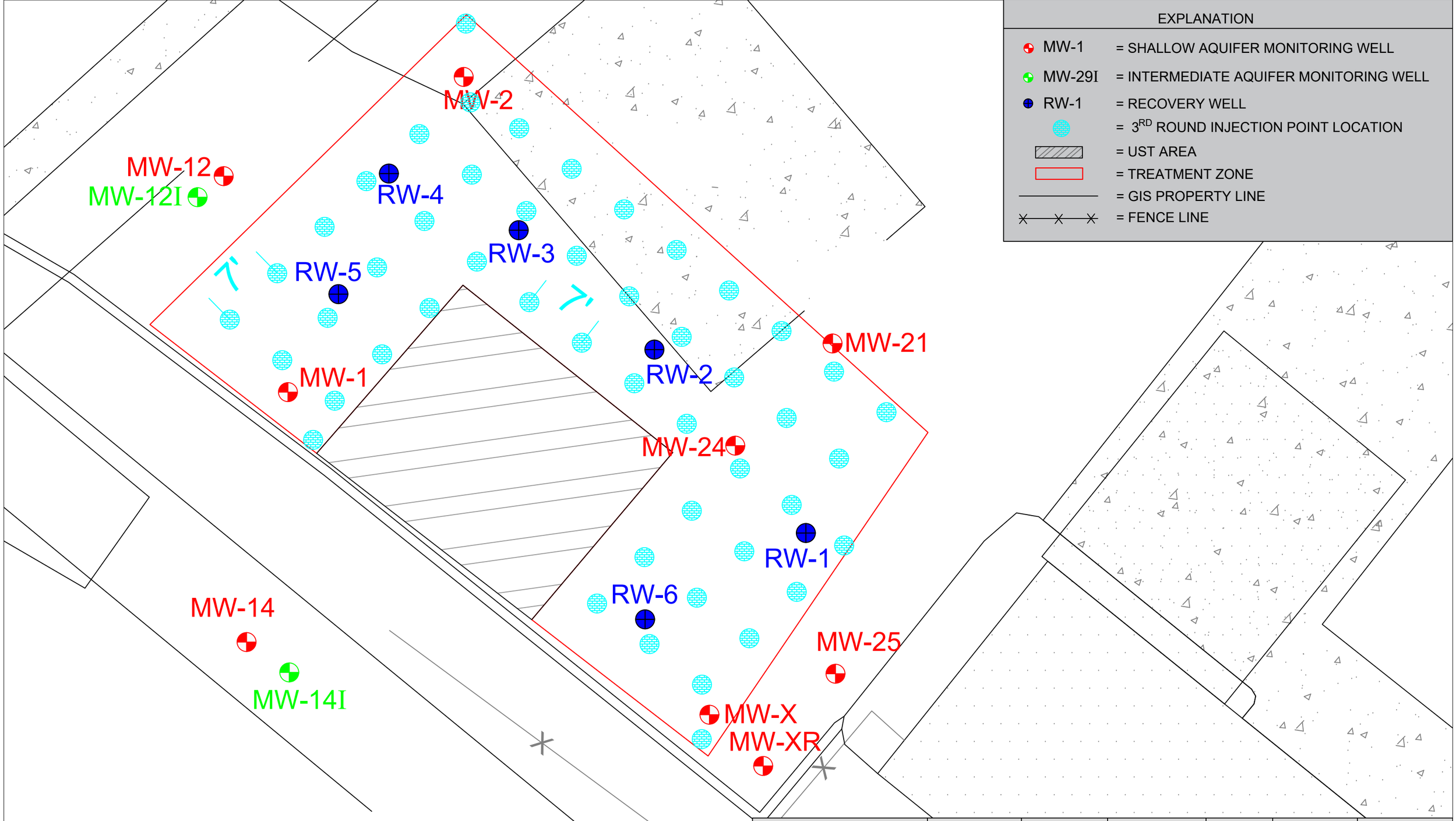


DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	12/20/2024	BD	TFD	AS SHOWN	3570	6

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 2ND ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



DWG: SOUTHER LAND SURVEYING, 2017 SURVEY	DATE 12/20/2024	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 7

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 3RD ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

REGENESIS

Technology-Based Solutions for the Environment

PROJECT NAME

Westside Quick Stop

Preliminary Cost Proposal

Rev 01

PREPARED FOR

EnviroSouth
William Lyons
wlyons@envirosouth.com

PREPARED BY

REGENESIS

Daniel Pile
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Ian Doliana
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August 26, 2024

Project Summary

REGENESIS appreciates the opportunity to provide EnviroSouth our remedial design and cost estimate for the Westside Quick Stop project. This proposal includes an overview of our proposed solution, the project goals, technologies proposed, application design summary table and a treatment area map.

Proposed Solution

We propose treatment with RegenOx to address residual petroleum hydrocarbon impacts within the defined treatment area. These reagents will be applied via direct push injection. We are also recommending extraction events following each application. The target extraction volume should be approximately 120% of each event's injection volume and should occur 2-3 weeks after each event. Reagent quantities are estimated based on provided site information. Adjustments may be needed after further investigation.

Project Goals

- Remove NAPL from MW-1, RW-1, RW-2, and MW-24
- Reduce groundwater concentrations to below solubility limits

Technologies Proposed

- RegenOx®

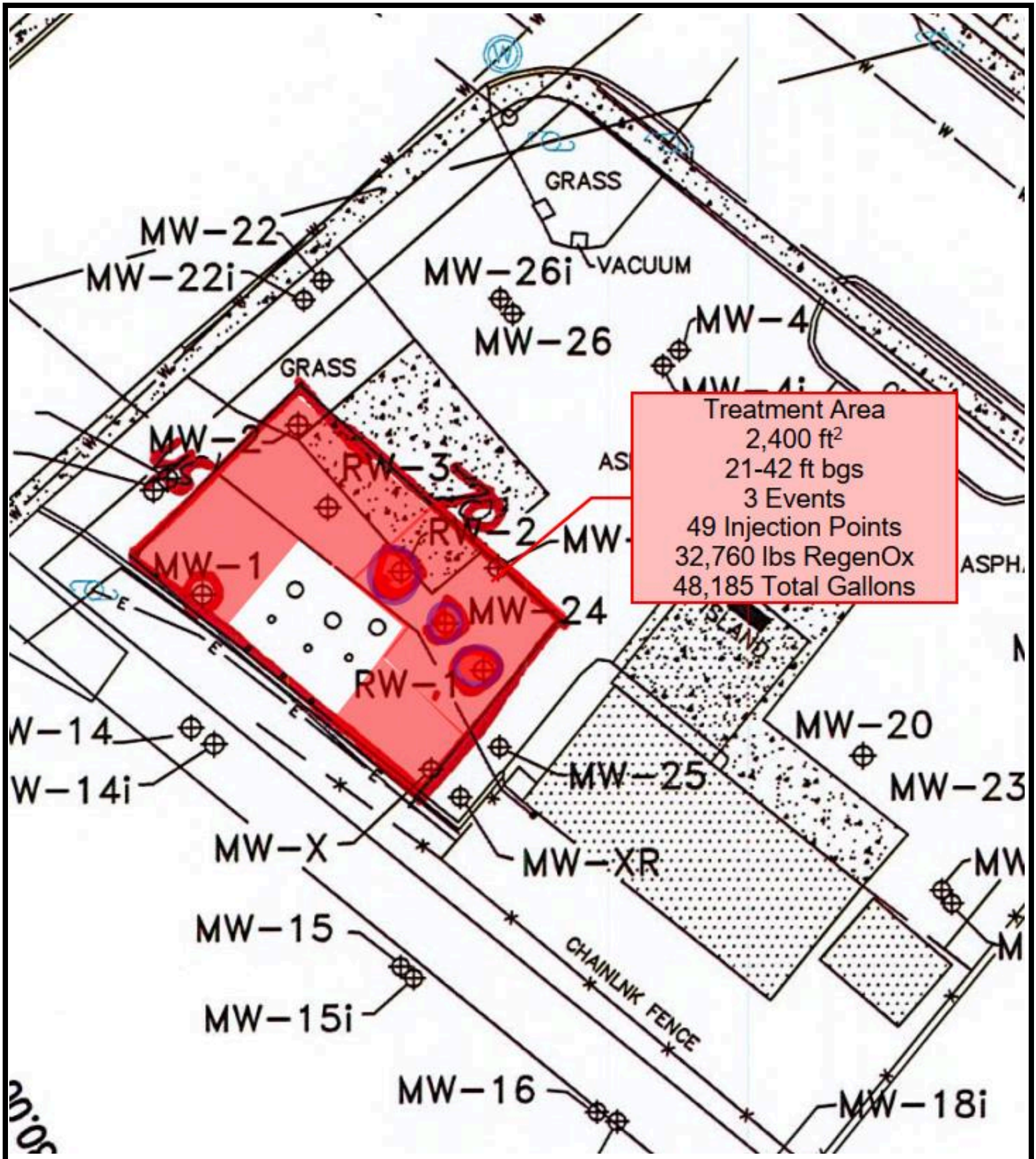
Click above to access product specification sheets

Technical Resources

- RegenOx® Technical Bulletin: Compatibility with Underground Storage Structures and Pipes
- RegenOx® Technical Bulletin: Increased Solubility Effects When Treating Total Petroleum Hydrocarbons
- RegenOx® Technical Bulletin: Chemical Oxidation of Petroleum Hydrocarbons in High Total Organic (TOC) Environments

Design Summary

Treatment Area		
Design Parameters	**Unit**	**Value**
Treatment Area	ft sq.	2,400
Top Treat Depth (ft. bgs)		21
Bottom Treat Depth (ft. bgs)		42
Vertical Treatment Interval	ft	21
Soil Type		Sandy silt
Porosity	cm3/cm3	0.40
Effective Porosity	cm3/cm3	0.15
Hydraulic Gradient	ft/ft	0.01
GW Velocity	ft/yr	60.88
Application Summary		
Spacing Within Rows (ft)		7
Spacing Between Rows (ft)		7
Injection Points (per app.)		49
Number of Applications		3
RegenOx Part A Solution %		6%
Eff. Pore Voume Occupancy		85%
Product Dosage		
RegenOx Part A	lbs	24,560
RegenOx Part B	lbs	8,200
Water Required	gallons	46,108
Total Volume Applied	gallons	48,185



Westside Quick Stop

EnviroSouth

August 26, 2024

Figure 1-Treatment Area Map

REGENESIS

Technology-Based Solutions for the Environment

Technical Approach

Our review of the site data indicates that non-aqueous phase liquids (NAPLs) are present. RegenOx is an advanced chemical oxidation technology that destroys contaminants through powerful, yet controlled chemical reactions. This product maximizes *in-situ* performance while using a solid alkaline oxidant that employs a sodium percarbonate complex with a multi-part catalytic formula. RegenOx directly oxidizes contaminants while its unique catalytic component generates a range of highly oxidizing free radicals that rapidly and effectively destroy a range of target contaminants including both petroleum hydrocarbons and chlorinated compounds. The secondary ability of RegenOx is to increase the desorption rates of hydrocarbons bound in saturated soil and make them available for more efficient and rapid treatment using a range of mass recovery technologies including multi-phase extraction as proposed here. Each RegenOx application is expected to result in oxidant longevity of 2 to 3 weeks, while the activator will persist longer. For this reason, multiple applications, at an application event spacing of approximately 2 to 3 weeks, coupled with an enhanced recovery technology, are recommended for use in this project.

Due to the unique surfactant characteristics of RegenOx, which is designed to allow for mass transfer from sorbed to dissolved phase and/or free-phase, we recommend that use of this product be coupled with multi-phase extraction (MPE) at this site. MPE is best conducted using a mobile vacuum tanker truck or similar high-vacuum system which can quickly remove dissolved and free-phase mass. The events should be conducted approximately 2-3 weeks after each RegenOx application (i.e., immediately prior to each subsequent RegenOx application). Each extraction event should remove approximately 120% of the injection volume from each event.

Treatment Zone Design Parameters

The table below summarizes pertinent treatment zone information used for developing the remedial application design. Where site-specific data were unavailable, default values based on soil type were used.

Target Treatment Zone (TTZ) Info	Unit	Value
Treatment Area	ft^2	2,400
Top Treatment Depth	ft	21.0
Bottom Treatment Depth	ft	42.0
Vertical Treatment Interval	ft	21.0
Treatment Zone Volume	ft^3	50,400
Treatment Zone Volume	cy	1,867
Soil Type	---	Sandy silt
Porosity	cm^3/cm^3	0.40
Effective Porosity	cm^3/cm^3	0.15
Treatment Zone Pore Volume	gals	150,807
Treatment Zone Effective Pore Volume	gals	56,553
Soil Density	g/cm^3	1.67
Hydraulic Conductivity	ft/day	5.0
Hydraulic Gradient	ft/ft	0.005
GW Velocity	ft/yr	61

Regenesis Bioremediation Products
1011 Calle Sombra
San Clemente, CA 92673
US

REGENESIS
Technology-Based Solutions for the Environment

PRICE QUOTATION
(Valid for only 30 days from date of quote)*

Contact Name	William Lyons	Account Name	EnviroSouth
Created Date	11/21/2024	Prepared By	Aaron Hazen
Quote Name	40840 - idoli77597 - Westside Quick Stop - SC - Event 1	Quote Number	00040840

Thank you for your interest in Regenesis Products. Please find below the sales price and related shipping, handling and tax costs per your request.

Please note that a Price Quotation is not a sales order. To place an order please contact our customer service department at 949 366-8000 or order online at http://www.regenesis.com/order.

Products

Product Code	Product	Quantity	Sales Price	Total Price
2200	RegenOx® Part A Bags (40 lb) (RBP)	8,200.00	USD 3.85	USD 31,570.00
2210	RegenOx® Part B Pails (40 lb) (RBP)	2,760.00	USD 3.85	USD 10,626.00
FRE001	Freight	1.00	USD 2,955.78	USD 2,955.78

Special Delivery Instructions	R+L Carriers (1-2 transit days) - Delivery Appointment Required - Lift Gate & Pallet Jack at delivery Quote valid for 90 days - expires 2/19/2025 -	Subtotal	USD 45,151.78
		Tax	USD 2,531.76
		Grand Total	USD 47,683.54
Payment Terms	Net 90		

F.O.B. Origin

PAYMENT TERMS: A monthly finance fee of 1.5% will be applied to accounts over the listed payment terms. Volume discounts pricing will be rescinded on accounts outstanding over 90 days. An early payment discount of 1.5% NET 10, is available for cash or check payment only. Discount applied to product, services, and any applicable sales tax. Discount does not apply to any freight and handling. We accept MasterCard, Visa, and American Express.

Sales Tax: a valid Reseller Certificate or Tax Exempt Certificate must be presented to the Customer Service Department at the time an order is placed. Sales tax charges on the quote/ sales confirmations are estimated based on delivery location. The actual sales tax rate is calculated at the time of invoice. Liability for all taxes and import or export duties, imposed by any city, state, federal, or other government authority, shall be assumed and paid by the buyer. Buyer further agrees to defend and indemnify seller against any and all liabilities for such taxes or duties and legal fees or cost incurred by seller in connection therewith.

RETURN POLICY: All requests to return product must be pre-approved by Regenesis. A 15% re-stocking fee will be charged for all returned goods. Return freight must be prepaid and product must be in saleable condition. No product will be accepted for return after of 90 days from original delivery date.

Regenesis Bioremediation Products
1011 Calle Sombra
San Clemente, CA 92673
US

SHIPPING POLICY: the following terms and conditions shall apply

1. As a service Regenesis will assist and coordinate with independent trucking brokers/carriers the delivery of product. Regenesis will also coordinate a "will call" pick up at one of its warehouse locations with a customer's freight carrier of choice. Please note that product availability will vary by warehouse location.
2. All quoted rates and delivery dates are based on Standard Delivery Terms, which allow or provide only an estimated date and time of delivery of product to a site. Delivery times will vary per carrier. A guaranteed delivery may be available for an additional cost and must be requested when placing an order. If the carrier fails to meet the Guaranteed delivery per the specified date and time, *per the carrier's terms and conditions*, carrier will waive this additional charge.
3. Shipping /Freight costs are estimates and may change pending requirement of any additional equipment or change in volume or delivery instructions at time of placing your order.

SHIPPING DISCLAIMER: Regenesis is not in the business of shipping or transportation of its products. We will strive to assist in meeting shipping requirements, but please realize that all shipments are subject to carrier's availability, weather, mechanical problems, or other unforeseen circumstances. As a result, Regenesis cannot be held responsible for project/site costs incurred due to shipping related delays.

Handling Fee: Handling Fees may be subject to sales tax based on point of delivery.

Freight Freight charges are estimates and actual freight charges are calculated at the time of invoice. Additional freight charges may be assessed for any accessorial (can include, but not limited to lift gate and pallet jack at delivery, inside delivery, time definite deliveries, and delivery appointments) requested at the time of delivery. Please communicate any requirements for delivery with the customer service department at the time the order is placed. Standard delivery is 8am-5pm, Monday – Friday. *Full truck rates are valid for 7 days from date of quote.

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1011 Calle Sombra
San Clemente, CA 92673
US

REGENESIS
Technology-Based Solutions for the Environment

PRICE QUOTATION
(Valid for only 30 days from date of quote)*

Contact Name	William Lyons	Account Name	EnviroSouth
Created Date	11/21/2024	Prepared By	Aaron Hazen
Quote Name	40841 - idoli77597 - Westside Quick Stop - SC - Event 2	Quote Number	00040841

Thank you for your interest in Regenesis Products. Please find below the sales price and related shipping, handling and tax costs per your request.

Please note that a Price Quotation is not a sales order. To place an order please contact our customer service department at 949 366-8000 or order online at http://www.regenesis.com/order.

Products

Product Code	Product	Quantity	Sales Price	Total Price
2200	RegenOx® Part A Bags (40 lb) (RBP)	8,200.00	USD 3.85	USD 31,570.00
2210	RegenOx® Part B Pails (40 lb) (RBP)	2,760.00	USD 3.85	USD 10,626.00
FRE001	Freight	1.00	USD 2,955.78	USD 2,955.78

Special Delivery Instructions	R+L Carriers (1-2 transit days) - Delivery Appointment Required - Lift Gate & Pallet Jack at delivery Quote valid for 90 days - expires 2/19/2025 -	Subtotal	USD 45,151.78
		Tax	USD 2,531.76
		Grand Total	USD 47,683.54
Payment Terms	Net 90		

F.O.B. Origin

PAYMENT TERMS: A monthly finance fee of 1.5% will be applied to accounts over the listed payment terms. Volume discounts pricing will be rescinded on accounts outstanding over 90 days. An early payment discount of 1.5% NET 10, is available for cash or check payment only. Discount applied to product, services, and any applicable sales tax. Discount does not apply to any freight and handling. We accept MasterCard, Visa, and American Express.

Sales Tax: a valid Reseller Certificate or Tax Exempt Certificate must be presented to the Customer Service Department at the time an order is placed. Sales tax charges on the quote/ sales confirmations are estimated based on delivery location. The actual sales tax rate is calculated at the time of invoice. Liability for all taxes and import or export duties, imposed by any city, state, federal, or other government authority, shall be assumed and paid by the buyer. Buyer further agrees to defend and indemnify seller against any and all liabilities for such taxes or duties and legal fees or cost incurred by seller in connection therewith.

RETURN POLICY: All requests to return product must be pre-approved by Regenesis. A 15% re-stocking fee will be charged for all returned goods. Return freight must be prepaid and product must be in saleable condition. No product will be accepted for return after of 90 days from original delivery date.

Regenesis Bioremediation Products
1011 Calle Sombra
San Clemente, CA 92673
US

SHIPPING POLICY: the following terms and conditions shall apply

1. As a service Regenesis will assist and coordinate with independent trucking brokers/carriers the delivery of product. Regenesis will also coordinate a "will call" pick up at one of its warehouse locations with a customer's freight carrier of choice. Please note that product availability will vary by warehouse location.
2. All quoted rates and delivery dates are based on Standard Delivery Terms, which allow or provide only an estimated date and time of delivery of product to a site. Delivery times will vary per carrier. A guaranteed delivery may be available for an additional cost and must be requested when placing an order. If the carrier fails to meet the Guaranteed delivery per the specified date and time, *per the carrier's terms and conditions*, carrier will waive this additional charge.
3. Shipping /Freight costs are estimates and may change pending requirement of any additional equipment or change in volume or delivery instructions at time of placing your order.

SHIPPING DISCLAIMER: Regenesis is not in the business of shipping or transportation of its products. We will strive to assist in meeting shipping requirements, but please realize that all shipments are subject to carrier's availability, weather, mechanical problems, or other unforeseen circumstances. As a result, Regenesis cannot be held responsible for project/site costs incurred due to shipping related delays.

Handling Fee: Handling Fees may be subject to sales tax based on point of delivery.

Freight Freight charges are estimates and actual freight charges are calculated at the time of invoice. Additional freight charges may be assessed for any accessorial (can include, but not limited to lift gate and pallet jack at delivery, inside delivery, time definite deliveries, and delivery appointments) requested at the time of delivery. Please communicate any requirements for delivery with the customer service department at the time the order is placed. Standard delivery is 8am-5pm, Monday – Friday. *Full truck rates are valid for 7 days from date of quote.

Regenesis Bioremediation Products
1011 Calle Sombra
San Clemente, CA 92673
US

REGENESIS
Technology-Based Solutions for the Environment

PRICE QUOTATION
(Valid for only 30 days from date of quote)*

Contact Name	William Lyons	Account Name	EnviroSouth
Created Date	11/21/2024	Prepared By	Aaron Hazen
Quote Name	40842 - idoli77597 - Westside Quick Stop - SC - Event 3	Quote Number	00040842

Thank you for your interest in Regenesis Products. Please find below the sales price and related shipping, handling and tax costs per your request.

Please note that a Price Quotation is not a sales order. To place an order please contact our customer service department at 949 366-8000 or order online at http://www.regenesis.com/order.

Products

Product Code	Product	Quantity	Sales Price	Total Price
2200	RegenOx® Part A Bags (40 lb) (RBP)	8,200.00	USD 3.85	USD 31,570.00
2210	RegenOx® Part B Pails (40 lb) (RBP)	2,760.00	USD 3.85	USD 10,626.00
FRE001	Freight	1.00	USD 2,955.78	USD 2,955.78

Special Delivery Instructions	R+L Carriers (1-2 transit days) - Delivery Appointment Required - Lift Gate & Pallet Jack at delivery Quote valid for 90 days - expires 2/19/2025 -	Subtotal	USD 45,151.78
		Tax	USD 2,531.76
		Grand Total	USD 47,683.54
Payment Terms	Net 90		

F.O.B. Origin

PAYMENT TERMS: A monthly finance fee of 1.5% will be applied to accounts over the listed payment terms. Volume discounts pricing will be rescinded on accounts outstanding over 90 days. An early payment discount of 1.5% NET 10, is available for cash or check payment only. Discount applied to product, services, and any applicable sales tax. Discount does not apply to any freight and handling. We accept MasterCard, Visa, and American Express.

Sales Tax: a valid Reseller Certificate or Tax Exempt Certificate must be presented to the Customer Service Department at the time an order is placed. Sales tax charges on the quote/ sales confirmations are estimated based on delivery location. The actual sales tax rate is calculated at the time of invoice. Liability for all taxes and import or export duties, imposed by any city, state, federal, or other government authority, shall be assumed and paid by the buyer. Buyer further agrees to defend and indemnify seller against any and all liabilities for such taxes or duties and legal fees or cost incurred by seller in connection therewith.

RETURN POLICY: All requests to return product must be pre-approved by Regenesis. A 15% re-stocking fee will be charged for all returned goods. Return freight must be prepaid and product must be in saleable condition. No product will be accepted for return after of 90 days from original delivery date.

Regenesis Bioremediation Products
1011 Calle Sombra
San Clemente, CA 92673
US

SHIPPING POLICY: the following terms and conditions shall apply

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Handling Fee: Handling Fees may be subject to sales tax based on point of delivery.

Freight Freight charges are estimates and actual freight charges are calculated at the time of invoice. Additional freight charges may be assessed for any accessorial (can include, but not limited to lift gate and pallet jack at delivery, inside delivery, time definite deliveries, and delivery appointments) requested at the time of delivery. Please communicate any requirements for delivery with the customer service department at the time the order is placed. Standard delivery is 8am-5pm, Monday – Friday. *Full truck rates are valid for 7 days from date of quote.

Acknowledgement

This scope and associated costs are budgetary and should not be considered final. Listed below are the next steps to secure a final design and cost estimate from REGENESIS.

Steps to Final Design and Scope of Work

1. Signature notifying REGENESIS to proceed with final design.
2. REGENESIS technical team contacts EnviroSouth to review final scope of work and provide detailed design and cost estimate
3. Provide Detailed Remediation Services Scope of Work, if applicable.
4. Confirm Implementation Schedule
5. Submit Detailed Design and Cost Estimate to EnviroSouth for review and final approval

Signature below confirms signee accepts this preliminary scope of work and would like REGENESIS to proceed with a detailed design and cost estimate.

SIGNATURE
William Lyons

Not yet accepted

EnviroSouth | William Lyons, Senior Hydrogeologist

Terms & Conditions

1. **PAYMENT TERMS.** Net 90 Days. Accounts outstanding after 90 days will be assessed 1.5% monthly interest. Volume discount pricing will be rescinded on all accounts outstanding over 90 days. An early payment discount of 1.5% Net 10 is available for cash or check payments only. We accept Master Card, Visa and American Express.
2. **RETURN POLICY.** A 15% re-stocking fee will be charged for all returned goods. All requests to return product must be pre-approved by seller. Returned product must be in original condition and no product will be accepted for return after a period of 90 days.
3. **FORCE MAJEURE.** Seller shall not be liable for delays in delivery or services or failure to manufacture or deliver due to causes beyond its reasonable control, including but not limited to acts of God, acts of buyer, acts of military or civil authorities, fires, strikes, flood, epidemic, war, riot, delays in transportation or car shortages, or inability to obtain necessary labor, materials, components or services through seller's usual and regular sources at usual and regular prices. In any such event Seller may, without notice to buyer, at any time and from time to time, postpone the delivery or service dates under this contract or make partial delivery or performance or cancel all or any portion of this and any other contract with buyer without further liability to buyer. Cancellation of any part of this order shall not affect Seller's right to payment for any product delivered or service performed hereunder.
4. **LIMITED WARRANTY.** Seller warrants the product(s) sold and services provided as specified on face of invoice, solely to buyer. Seller makes no other warranty of any kind respecting the product and services, and expressly DISCLAIMS ALL OTHER WARRANTIES OF WHATEVER KIND RESPECTING THE PRODUCT AND SERVICES, INCLUDING ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND NON-INFRINGEMENT.
5. **DISCLAIMER.** Where warranties to a person other than buyer may not be disclaimed under law, seller extends to such a person the same warranty seller makes to buyer as set forth herein, subject to all disclaimers, exclusions and limitations of warranties, all limitations of liability and all other provisions set forth in the Terms and Conditions herein. Buyer agrees to transmit a copy of the Terms and Conditions set forth herein to any and all persons to whom buyer sells, or otherwise furnishes the products and/or services provided buyer by seller and buyer agrees to indemnify seller for any liability, loss, costs and attorneys' fees which seller may incur by reason, in whole or in part, of failure by buyer to transmit the Terms and Conditions as provided herein.
6. **LIMITATION OF SELLER'S LIABILITY AND LIMITATION OF BUYER'S REMEDY.** Seller's liability on any claim of any kind, including negligence, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery, resale, repair or use of any goods or performance of any services covered by or furnished hereunder, shall in no case exceed the lesser of (1) the cost of repairing or replacing goods and repeating the services failing to conform to the foregoing warranty or the price of the goods and/or services or part thereof which gives rise to the claim. IN NO EVENT SHALL SELLER BE LIABLE FOR SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS, OR FOR DAMAGES IN THE NATURE OF PENALTIES.
7. **INDEMNIFICATION.** Buyer agrees to defend and indemnify seller of and from any and all claims or liabilities asserted against seller in connection with the manufacture, sale, delivery, resale or repair or use of any goods, and performance of any services, covered by or furnished hereunder arising in whole or in part out of or by reason of the failure of buyer, its agents, servants, employees or customers to follow instructions, warnings or recommendations furnished by seller in connection with such goods and services, by reason of the failure of buyer, its agents, servants, employees or customers to comply with all federal, state and local laws applicable to such goods and services, or the use thereof, including the Occupational Safety and Health Act of 1970, or by reason of the negligence or misconduct of buyer, its agents, servants, employees or customers.

8. **EXPENSES OF ENFORCEMENT.** In the event seller undertakes any action to collect amounts due from buyer, or otherwise enforce its rights hereunder, Buyer agrees to pay and reimburse Seller for all such expenses, including, without limitation, all attorneys and collection fees.

9. **TAXES.** Liability for all taxes and import or export duties, imposed by any city, state, federal or other governmental authority, shall be assumed and paid by buyer. Buyer further agrees to defend and indemnify seller against any and all liabilities for such taxes or duties and legal fees or costs incurred by seller in connection therewith.

10. **ASSISTANCE AND ADVICE.** Upon request, seller in its discretion will furnish as an accommodation to buyer such technical advice or assistance as is available in reference to the goods and services. Seller assumes no obligation or liability for the advice or assistance given or results obtained, all such advice or assistance being given and accepted at buyer's risk.

11. **SITE SAFETY.** Buyer shall provide a safe working environment at the site of services and shall comply with all applicable provisions of federal, state, provincial and municipal safety laws, building codes, and safety regulations to prevent accidents or injuries to persons on, about or adjacent to the site.

12. **INDEPENDENT CONTRACTOR.** Seller and Buyer are independent contractors and nothing shall be construed to place them in the relationship of partners, principal and agent, employer/employee or joint ventures. Neither party will have the power or right to bind or obligate the other party except as may be expressly agreed and delegated by other party, nor will it hold itself out as having such authority.

13. **REIMBURSEMENT.** Seller shall provide the products and services in reliance upon the data and professional judgments provided by or on behalf of buyer. The fees and charges associated with the products and services thus may not conform to billing guidelines, constraints or other limits on fees. Seller does not seek reimbursement directly from any government agency or any governmental reimbursement fund (the "Government"). In any circumstance where seller may serve as a supplier or subcontractor to an entity that seeks reimbursement from the Government for all or part of the services performed or products provided by seller, it is the sole responsibility of the buyer or other entity seeking reimbursement to ensure the products and services and associated charges are in compliance with and acceptable to the Government prior to submission. When serving as a supplier or subcontractor to an entity that seeks reimbursement from the Government, seller does not knowingly present or cause to be presented any claim for payment to the Government.

14. **APPLICABLE LAW/JURISDICTION AND VENUE.** The rights and duties of the parties shall be governed by, construed, and enforced in accordance with the laws of the State of California (excluding its conflict of laws rules which would refer to and apply the substantive laws of another jurisdiction). Any suit or proceeding hereunder shall be brought exclusively in state or federal courts located in Orange County, California. Each party consents to the personal jurisdiction of said state and federal courts and waives any objection that such courts are an inconvenient forum.

15. **ENTIRE AGREEMENT.** This agreement constitutes the entire contract between buyer and seller relating to the goods or services identified herein. No modifications hereof shall be binding upon the seller unless in writing and signed by seller's duly authorized representative, and no modification shall be effected by seller's acknowledgment or acceptance of buyer's purchase order forms containing different provisions. Trade usage shall neither be applicable nor relevant to this agreement, nor be used in any manner whatsoever to explain, qualify or supplement any of the provisions hereof. No waiver by either party of default shall be deemed a waiver of any subsequent default.

Detailed Design Table

Project Information		
Westside Quick Stop		
Greenville, South Carolina		
Treatment Area		
Prepared For:		
EnviroSouth, Inc.		
Target Treatment Zone (TTZ) Info	**Unit**	**Value**
Treatment Area	ft^2	2,400
Top Treatment Depth	ft	21.0
Bottom Treatment Depth	ft	42.0
Vertical Treatment Interval	ft	21.0
Treatment Zone Volume	ft^3	50,400
Treatment Zone Volume	cy	1,867
Soil Type	---	Sandy silt
Porosity	cm^3/cm^3	0.40
Effective Porosity	cm^3/cm^3	0.15
Treatment Zone Pore Volume	gals	150,807
Treatment Zone Effective Pore Volume	gals	56,553
Soil Density	g/cm^3	1.67
Hydraulic Conductivity	ft/day	5.0
Hydraulic Gradient	ft/ft	0.005
GW Velocity	ft/yr	61
Application Design Summary		
Treatment Area	**ft^2**	**2400.0**
Top Treatment Depth	ft bgs	21.0
Bottom Treatment Depth	ft bgs	42.0
Application Method	-	**Direct Push**
Spacing Within Rows	ft	7.0
Spacing Between Rows	ft	7.0
Injection Points (per app.)	-	**49**
Number of Applications	-	**3**
Total RegenOx to be Applied	**lbs**	**32,760**
RegenOx Part A	lbs	24,560
RegenOx Part B	lbs	8,200
RegenOx Part A per Point	lbs	167
RegenOx Part B per Point	lbs	56
RegenOx Part A Solution %	%	6.0%
Volume Water	**gals**	**46,108**
Total Solution Volume	**gals**	**48,185**
Application Volume per Foot	gals	16
Injection Volume per Point	gals	328
Application Dosing		
RegenOx to be Applied	**lbs**	**32,760**
RegenOx Part A to be Applied	**lbs**	**24,560**
RegenOx Part B to be Applied	**lbs**	**8,200**
Prepared By:	**Ian Doliana - Design Specialist**	
Date:	**8/26/2024**	

REGENOX PART A SAFETY DATA SHEET

RegenOx® – Part A (Oxidizer Complex)

Material Safety Data Sheet (MSDS)

Last Revised: September 27, 2013

Section 1 – Supplier Information and Material Identification

Supplier:

REGENESIS
1011 Calle Sombra
San Clemente, CA 92673
Telephone: 949.366.8000
Fax: 949.366.8090
E-mail: info@regenesis.com

Chemical Description:	A mixture of sodium percarbonate [$2Na_2CO_3 \cdot 3H_2O_2$], sodium carbonate [Na_2CO_3], sodium silicate and silica gel.
Chemical Family:	Inorganic Chemicals
Trade Name:	RegenOx® – Part A (Oxidizer Complex)
Product Use:	Used to remediate contaminated soil and groundwater (environmental applications)

Section 2 – Chemical Information/Other Designations

CAS No.	Chemical	Percentage
15630-89-4	Sodium Percarbonate	60 -100 %
7699-11-6	Silicic Acid	< 1 %
63231-67-4	Silica Gel	< 1 %

Section 3 – Physical Data

Form:	Powder
Color:	White
Odor:	Odorless
Melting Point:	NA
Boiling Point:	NA

Section 3 – Physical Data (cont)

Flammability/Flash Point:	NA
Vapor Pressure:	NA
Bulk Density:	0.9 – 1.2 g/cm^3
Solubility:	Min 14.5g/100g water @ 20 ºC
Viscosity:	NA
pH (3% solution):	≈ 10.5
Decomposition Temperature:	Self-accelerating decomposition with oxygen release starts at 50 ºC.

Section 4 – Reactivity Data

Stability:	Stable under normal conditions
Conditions to Avoid/Incompatibility:	Acids, bases, salts of heavy metals, reducing agents, and flammable substances
Hazardous Decomposition Products:	Oxygen. Contamination with many substances will cause decomposition. The rate of decomposition increases with increasing temperature and may be very vigorous with rapid generation of oxygen and steam.

Section 5 – Regulations

TSCA Inventory Listed:	Yes
CERCLA Hazardous Substance (40 CFR Part 302)	
Listed Substance:	*No*
Unlisted Substance:	*Yes*
SARA, Title III, Sections 313 (40 CFR Part 372) – Toxic Chemical Release Reporting: Community Right-To-Know	
Extremely Hazardous Substance:	No
WHMIS Classification:	C, D2B
Canadian Domestic Substance List:	Appears

Section 6 – Protective Measures, Storage and Handling

Technical Protective Measures

Storage:

Oxidizer. Store in a cool, well ventilated area away from all sources of ignition and out of the direct sunlight. Store in a dry location away from heat and in temperatures less than 40 ˚C.

Keep away from incompatible materials and keep lids tightly closed. Do not store in improperly labeled containers.

Protect from moisture. Do not store near combustible materials. Keep containers well sealed.

Store separately from reducing materials. Avoid contamination which may lead to decomposition.

Handling:

Avoid contact with eyes, skin and clothing. Use with adequate ventilation.

Do not swallow. Avoid breathing vapors, mists or dust. Do not eat, drink or smoke in the work area.

Label containers and keep them tightly closed when not in use.

Wash hands thoroughly after handling.

Personal Protective Equipment (PPE)

Engineering Controls:

General room ventilation is required if used indoors. Local exhaust ventilation, process enclosures or other engineering controls may be needed to maintain airborne levels below recommended exposure limits. Avoid creating dust or mists. Maintain adequate ventilation at all times. Do not use in confined areas. Keep levels below recommended exposure limits. To determine actual exposure limits, monitoring should be performed on a routine basis.

Respiratory Protection:

For many conditions, no respiratory protection is necessary; however, in dusty or unknown conditions or when exposures exceed limit values a NIOSH approved respirator should be used.

Hand Protection:

Wear chemical resistant gloves (neoprene, rubber, or PVC).

Section 6 – Protective Measures, Storage and Handling (cont)

Eye Protection:	Wear chemical safety goggles. A full face shield may be worn in lieu of safety goggles.
Skin Protection:	Try to avoid skin contact with this product. Chemical resistant gloves (neoprene, PVC or rubber) and protective clothing should be worn during use.
Other:	Eye wash station.
Protection Against Fire & Explosion:	Product is non-explosive. In case of fire, evacuate all non-essential personnel, wear protective clothing and a self-contained breathing apparatus, stay upwind of fire, and use water to spray cool fire-exposed containers.

Section 7 – Hazards Identification

Potential Health Effects	
Inhalation:	Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath, and irritations to mucous membranes, nose and throat.
Eye Contact:	Causes irritation, redness and pain.
Skin Contact:	Causes slight irritation.
Ingestion:	May be harmful if swallowed (vomiting and diarrhea).

Section 8 – Measures in Case of Accidents and Fire

After Spillage/Leakage:	Eliminate all ignition sources. Evacuate unprotected personnel and never exceed any occupational exposure limit. Shovel or sweep spilt material into plastic bags or vented containers for disposal. Do not return spilled or contaminated material to the inventory.
Extinguishing Media:	Water
First Aid	
Eye Contact:	Flush eyes with running water for at least 15 minutes with eyelids held open. Seek a specialist.
Inhalation:	Remove affected person to fresh air. Seek medical attention if the effects persist.
Ingestion:	If the individual is conscious and not convulsing, give two-four cups of water to dilute the chemical and seek medical attention immediately. **Do Not** induce vomiting.

Section 8 – Measures in Case of Accidents and Fire (cont)

Skin Contact:	Wash affected areas with soap and a mild detergent and large amounts of water.

Section 9 – Accidental Release Measures

Precautions:	
Cleanup Methods:	Shovel or sweep spilt material into plastic bags or vented containers for disposal. Do not return spilled or contaminated material to the inventory.

Section 10 – Information on Toxicology

Toxicity Data	
LD50 Oral (rat):	2,400 mg/kg
LD50 Dermal (rabbit):	Min 2,000 mg/kg
LD50 Inhalation (rat):	Min 4,580 mg/kg

Section 11 – Information on Ecology

Ecology Data	
Ecotoxicological Information:	NA

Section 12 – Disposal Considerations

Waste Disposal Method	
Waste Treatment:	Dispose of in an approved waste facility operated by an authorized contactor in compliance with local regulations.
Package (Pail) Treatment:	The empty and clean containers are to be recycled or disposed of in conformity with local regulations.

Section 13 – Shipping/Transport Information

D.O.T. Shipping Name:	Oxidizing Solid, N.O.S. [A mixture of sodium percarbonate [$2Na_2CO_3 \cdot 3H2O_2$], sodium carbonate [Na_2CO_3], sodium silicate and silica gel.]
UN Number:	1479
Hazard Class:	5.1
Labels:	5.1 (Oxidizer)
Packaging Group:	III

Section 14 – Other Information

HMIS® Rating	Health – 1 (slight)	Reactivity – 1 (slight)
	Flammability – 0 (none)	Lab PPE – goggles, gloves, and lab coat

HMIS® is a registered trademark of the National Painting and Coating Association.

Section 15 – Further Information

The information contained in this document is the best available to the supplier at the time of writing, but is provided without warranty of any kind. Some possible hazards have been determined by analogy to similar classes of material. The items in this document are subject to change and clarification as more information become available. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose.

REGENOX PART B SAFETY DATA SHEET

SAFETY DATA SHEET

1. Identification

Product identifier **RegenOx® Part B**

Other means of identification None.

Recommended use Soil and Groundwater Remediation.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Regenesis

Address 1011 Calle Sombra
San Clemente, CA 92673 USA

General information 949-366-8000

E-mail CustomerService@regenesis.com

Emergency phone number For Hazardous Materials Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:

USA, Canada, Mexico 1-800-424-9300

International 1-703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Skin corrosion/irritation — Category 2
Serious eye damage/eye irritation — Category 2A

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement Causes skin irritation. Causes serious eye irritation.

Precautionary statement

Prevention Wash thoroughly after handling. Wear protective gloves. Wear eye/face protection.

Response If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Silicic Acid, Sodium Salt, Sodium Silicate	1344-09-8	25-40
Silicon dioxide (amorphous silica gel)	63231-67-4	<10

Ferrous sulfate	7720-78-7	2-5

Composition comments All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation Move to fresh air. Keep victim at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Spray mist may irritate the respiratory system. Symptoms may include coughing, difficulty breathing and shortness of breath.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO_2).

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed. Combustion products may include: silicon oxides, metal oxides, sulfur oxides.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store in original tightly closed container. Store in a cool, dry, well-ventilated place. Maintain storage temperatures between 50°F to 140°F (10°C to 60°C). Store away from incompatible materials (see Section 10 of the SDS). Recommended storage containers: steel or plastic. Do not use containers made of aluminum, fiberglass, copper, brass, zinc or galvanized containers.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
Silicon dioxide (amorphous silica gel) (CAS 63231-67-4)	TWA	0.8 mg/m3
		20 mppcf

US. ACGIH Threshold Limit Values

Components	Type	Value
Ferrous sulfate (CAS 7720-78-7)	TWA	1 mg/m3

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ferrous sulfate (CAS 7720-78-7)	TWA	1 mg/m3
Silicon dioxide (amorphous silica gel) (CAS 63231-67-4)	TWA	6 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection To avoid contact with eyes, wear chemical goggles or shielded safety glasses.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Skin protection

Other Wear appropriate chemical resistant clothing.

Respiratory protection If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Recommended use: Wear NIOSH approved respirator appropriate for airborne exposure at the point of use.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Liquid.

Color Green to dark blue.

Odor Odorless.

Odor threshold Not available.

pH 11 (10% solution/water)

Melting point/freezing point Not available.

Initial boiling point and boiling range Not available.

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	1.2 - 1.4
Solubility(ies)	
Solubility (water)	Miscible.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	< 10,000cP

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Hydrogen fluoride. Fluorine. Oxygen difluoride. Chlorine trifluoride. Strong acids. Strong bases. Oxidizers. Aluminum metal. Copper. Brass. Zinc. Galvanized metals.
Hazardous decomposition products	Thermal decomposition or combustion may produce: silicon oxides, metal oxides, sulfur oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful. Spray mists may cause respiratory tract irritation.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Ingestion	Ingestion may cause irritation and malaise.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Inhalation may irritate lungs causing coughing and/or shortness of breath.

Information on toxicological effects

Acute toxicity	Not available.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Silicon dioxide (amorphous silica gel) (CAS 63231-67-4) 3 Not classifiable as to carcinogenicity to humans.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	This product is water soluble and may spread in the water system.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ferrous sulfate (CAS 7720-78-7) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Ferrous sulfate (CAS 7720-78-7)

US. New Jersey Worker and Community Right-to-Know Act

Ferrous sulfate (CAS 7720-78-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Ferrous sulfate (CAS 7720-78-7)

US. Rhode Island RTK

Ferrous sulfate (CAS 7720-78-7)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 02-April-2015

Revision date 19-November-2017

Version # 03

Further information HMIS® is a registered trade and service mark of the American Coatings Association (ACA).

HMIS® ratings Health: 2
Flammability: 0
Physical hazard: 0

NFPA ratings

Disclaimer

Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

REAGENT SPECIFICATION SHEET

RegenOx® Technical Description

Close up of RegenOx

RegenOx is an advanced chemical oxidation technology that destroys contaminants through powerful, yet controlled chemical reactions. This product maximizes *in situ* chemical oxidation (ISCO) performance through use of a two-part product system; a sodium percarbonate oxidizer complex activated by a patented surface catalyst system. The technology degrades pollutants through direct oxidation, as well as through the generation of a suite of free radical compounds which in turn oxidize recalcitrant contaminants. RegenOX rapidly and effectively destroys a range of target contaminants including petroleum hydrocarbons and chlorinated compounds.

RegenOx is especially effective in destroying target contaminants present in high concentration source areas within the saturated and vadose zones. For petroleum hydrocarbon treatment, RegenOx produces oxygen as a result of its reactions, providing seamless transition from ISCO to enhanced aerobic bioremediation. RegenOx produces minimal heat when applied, and continues to destroy contaminants for up to 30 days on a single application. RegenOx is safe for use in direct contact with underground utilities, since it is non-corrosive to concrete and most metals.

$$C_2Cl_4 + 4/3\ Na_2CO_3 \bullet 2H_2O_2 + 4NaOH \rightarrow 2CO_2 + 4NaCl + 4H_2O + 4/3\ Na_2CO_3$$

- Free Radical Oxidation via production of:
  - Perhydroxyl Radical ($HO_2\bullet$)
  - Hydroxyl Radical ($OH\bullet$)
  - Superoxide Radical ($O_2^-\bullet$)

For a list of treatable contaminants with the use of RegenOx, view the Range of Treatable Contaminants Guide

Chemical Composition – Part A Oxidant

- Sodium Percarbonate – CAS #15630-89-4
- Sodium Carbonate Monohydrate - CAS #5968-11-6
- Silicic Acid – CAS #7699-11-6
- Silica Gel – CAS #63231

Chemical Composition – Part B Activator Complex

- Silicic Acid, Sodium Salt, Sodium Silicate - CAS#1344-09-08
- Silica Gel – CAS #63231
- Ferrous Sulfate – CAS #7720-78-7
- Water – CAS#7732-18-5

Properties

- Bulk Density – Part A 0.9-1.2 g/cm3; Part B – 1.39 g/cm3
- pH - 10-11 per recommended mixing ratios (3-5% oxidant in solution)
- Solubility – Oxidant - 14.5 g/100 g water; Activator – miscible in water
- Appearance – Brown to orange-brown when mixed with water
- Odor – Not detectable
- Vapor Pressure – None
- Non-hazardous

RegenOx® Technical Description

Storage and Handling Guidelines

Storage
Store in a cool, dry place out of heat/direct sunlight
Store at temperatures not to exceed 40°C/104°F
Store in original tightly closed container
Store in a well-ventilated place
Do not store near combustible materials
Store away from incompatible materials
Protect from contamination
Provide appropriate exhaust ventilation in places where dust is formed

Handling
Minimize dust generation and accumulation
Observe good industrial hygiene practices
Keep away from clothing and combustible materials
Take any precaution to avoid mixing with combustibles
Avoid contact with eyes
Do not taste or swallow
Do not eat, drink or smoke nearby
Wear appropriate personal protective equipment
Wash hands thoroughly after handling
Avoid release to the environment

Applications

RegenOx is applied using direct-injection techniques or wells. The application process enables the two- part product to be combined, then pressure-injected into the zone of contamination and moved out into the aquifer media. Application instructions for this product are contained in the RegenOx Application Instructions Guide.

Health and Safety

Material is relatively safe to handle; however, we recommend avoiding contact with eyes, skin and clothing. OSHA Level D personal protection equipment including vinyl or rubber gloves, eye protection and dust mask are recommended when handling this product. Please review the Material Safety Data Sheet for additional storage, packaging, usage, and handling requirements here: RegenOx Part A SDS and RegenOx Part B SDS.

REGENESIS

www.regenesis.com
1011 Calle Sombra, San Clemente CA 92673
949.366.8000

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MEMO FROM STATE TOXICOLOGIST

SC DEPARTMENT *of* ENVIRONMENTAL SERVICES

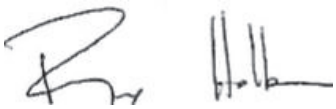
Trevor Hudson
Environmental Engineer
EnviroSouth
3440 Augusta Road
Greenville, SC 29605

Dear Mr. Hudson,

I have conducted a review of the RegenOx specification sheet and Safety Data Sheets provided in email correspondence. Sodium Percarbonate, the primary oxidizing agent in the product, would be expected to release hydrogen peroxide when injected in groundwater. The addition of the sodium silicate and ferrous sulfate activator would enable additional oxidation reactions that should break down any organic compounds present in the aquifer, including petroleum hydrocarbons.

Neither the sodium persulfate nor activator solution would be expected to substantially contribute to the degradation of the quality of off-Site groundwater used for drinking water or released in the aquatic receiving environment.

Don't hesitate to contact me at 803-608-0875 or by email at ray.holberger@des.sc.gov if you have any questions or comments concerning this review.



Ray Holberger
Environmental Risk Specialist

cc'd:
Fran Marshall – Environmental Affairs, Environmental Public Health,
Courtney Milledge - Bureau of Water, Groundwater Protection Division

TAX MAP INFORMATION

Greenville County, SC

December 20, 2024

1:480

0 20 40 80 ft

0 5 10 20 m

Greenville County GIS Division, Greenville, South Carolina, Greenville County GIS Division, Greenville County, South Carolina GIS Division

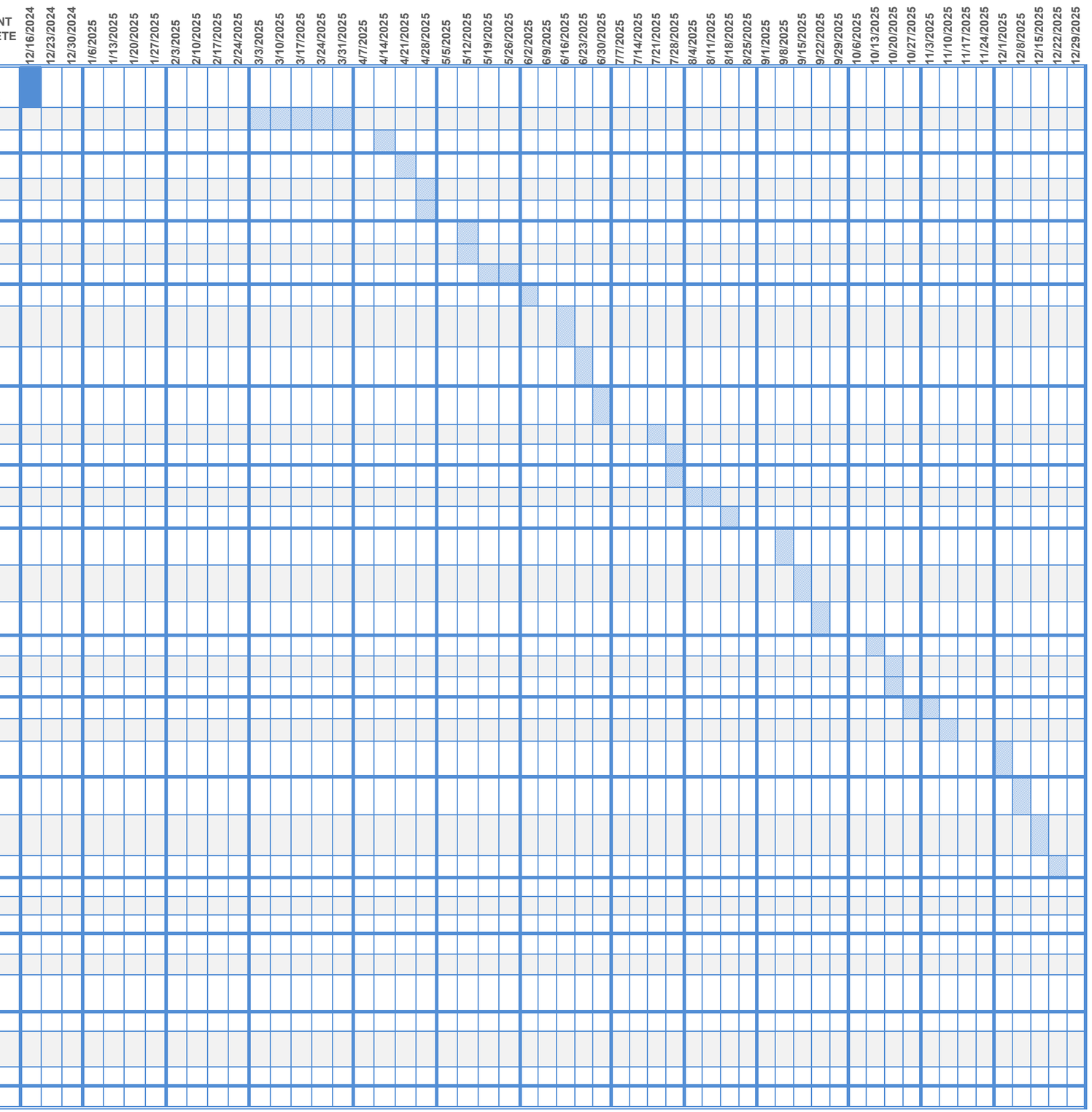
Disclaimer: This Map is not a LAND SURVEY and is for reference purposes only. Data contained in this map are prepared for the inventory of Real Property found within this jurisdiction, and are

GANTT SCHEDULE

WESTSIDE QUICK STOP CORRECTIVE ACTION SCHEDULE - REVISION 1

Actual (beyond plan) | % Complete (beyond plan) | Actual Start | % Complete | Actual (beyond plan) | % Complete (beyond plan)

ACTIVITY	PLAN START (DATE)	PLAN DURATION (DAYS)	ACTUAL START (DATE)	ACTUAL DURATION (DAYS)	PERCENT COMPLETE
Corrective Action Plan and Underground Injection Control Permit Application Submittal	12/16/2024	7	12/16/2024		100%
Public Notice	3/3/2025	30			0%
CAP and UIC Approval	4/14/2025	7			0%
Ground Penetrating Radar Survey	4/21/2025	7			0%
Install Additional Recovery Wells	4/28/2025	1			0%
Baseline Sampling Event	4/28/2025	4			0%
Report and Invoice #1	5/12/2025	2			0%
Order, Receive, and Store Chemicals for 1st Injection Event	5/12/2025	2			0%
1st Injection Event	5/19/2025	11			0%
Report and Invoice #2	6/2/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-1, RW-6, and RW-7	6/16/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-2, RW-3, and RW-4	6/23/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-4, RW-5, and RW-8	6/30/2025	4			0%
Interim Sampling Event #1	7/21/2025	2			0%
Report and Invoice #3	7/28/2025	5			0%
Order, Receive, and Store Chemicals for 2nd Injection Event	7/28/2025	7			0%
2nd Injection Event	8/4/2025	11			0%
Report and Invoice #4	8/18/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-1, RW-6, and RW-7	9/8/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-2, RW-3, and RW-4	9/15/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-4, RW-5, and RW-8	9/22/2025	4			0%
Interim Sampling Event #2	10/13/2025	2			0%
Report and Invoice #5	10/20/2025	5			0%
Order, Receive, and Store Chemicals for 3rd Injection Event	10/20/2025	7			0%
3rd Injection Event	10/27/2025	11			0%
Report and Invoice #6	11/10/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-1, RW-6, and RW-7	12/1/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-2, RW-3, and RW-4	12/8/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-4, RW-5, and RW-8	12/15/2025	4			0%
Report and Invoice #7	12/22/2025	5			0%
1st Quarter Limited Sampling Event	3/23/2026	2			0%
Report and Invoice 1st Quarter Limited Sampling Event	4/20/2026	5			0%
2nd Quarter Limited Sampling Event	6/22/2026	2			0%
Report and Invoice 2nd Quarter Limited Sampling Event	7/20/2026	5			0%
3rd Quarter Comprehensive Sampling Event	9/21/2026	4			0%
Report and Invoice 3rd Quarter Comprehensive Sampling Event	10/19/2026	5			0%
4th Quarter Comprehensive Sampling Event	12/28/2026	4			0%
Report and Invoice 4th Quarter Comprehensive Sampling Event	1/25/2027	5			0%
Well Abandonment	2/22/2027	4			0%
Report and Invoice Well Abandonment	3/22/2027	5			0%



WESTSIDE QUICK STOP CORRECTIVE ACTION SCHEDULE - REVISION 1

Actual (beyond plan) | % Complete (beyond plan) | Actual Start | % Complete | Actual (beyond plan) | % Complete (beyond plan)

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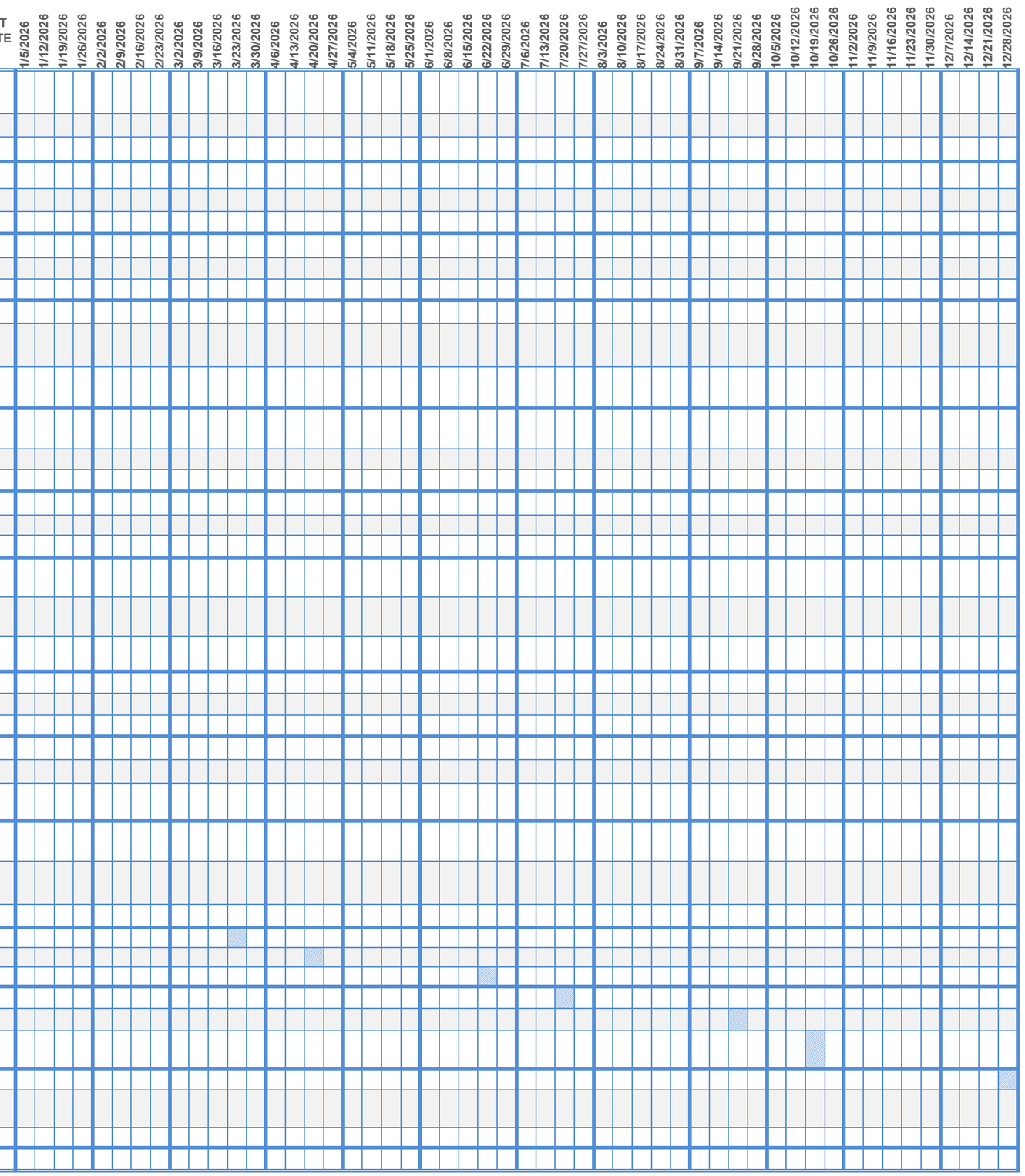
Public Notice	3/3/2025	30			0%
CAP and UIC Approval	4/14/2025	7			0%
Ground Penetrating Radar Survey	4/21/2025	7			0%
Install Additional Recovery Wells	4/28/2025	1			0%
Baseline Sampling Event	4/28/2025	4			0%
Report and Invoice #1	5/12/2025	2			0%
Order, Receive, and Store Chemicals for 1st Injection Event	5/12/2025	2			0%
1st Injection Event	5/19/2025	11			0%
Report and Invoice #2	6/2/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-1, RW-6, and RW-7	6/16/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-2, RW-3, and RW-4	6/23/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-4, RW-5, and RW-8	6/30/2025	4			0%
Interim Sampling Event #1	7/21/2025	2			0%
Report and Invoice #3	7/28/2025	5			0%
Order, Receive, and Store Chemicals for 2nd Injection Event	7/28/2025	7			0%
2nd Injection Event	8/4/2025	11			0%
Report and Invoice #4	8/18/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-1, RW-6, and RW-7	9/8/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-2, RW-3, and RW-4	9/15/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-4, RW-5, and RW-8	9/22/2025	4			0%
Interim Sampling Event #2	10/13/2025	2			0%
Report and Invoice #5	10/20/2025	5			0%
Order, Receive, and Store Chemicals for 3rd Injection Event	10/20/2025	7			0%
3rd Injection Event	10/27/2025	11			0%
Report and Invoice #6	11/10/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-1, RW-6, and RW-7	12/1/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-2, RW-3, and RW-4	12/8/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-4, RW-5, and RW-8	12/15/2025	4			0%
Report and Invoice #7	12/22/2025	5			0%
1st Quarter Limited Sampling Event	3/23/2026	2			0%
Report and Invoice 1st Quarter Limited Sampling Event	4/20/2026	5			0%
2nd Quarter Limited Sampling Event	6/22/2026	2			0%
Report and Invoice 2nd Quarter Limited Sampling Event	7/20/2026	5			0%
3rd Quarter Comprehensive Sampling Event	9/21/2026	4			0%
Report and Invoice 3rd Quarter Comprehensive Sampling Event	10/19/2026	5			0%
4th Quarter Comprehensive Sampling Event	12/28/2026	4			0%
Report and Invoice 4th Quarter Comprehensive Sampling Event	1/25/2027	5			0%
Well Abandonment	2/22/2027	4			0%
Report and Invoice Well Abandonment	3/22/2027	5			0%



WESTSIDE QUICK STOP CORRECTIVE ACTION SCHEDULE - REVISION 1

Actual (beyond plan) | % Complete (beyond plan) | Actual Start | % Complete | Actual (beyond plan) | % Complete (beyond plan

ACTIVITY	PLAN START (DATE)	PLAN DURATION (DAYS)	ACTUAL START (DATE)	ACTUAL DURATION (DAYS)	PERCENT COMPLETE
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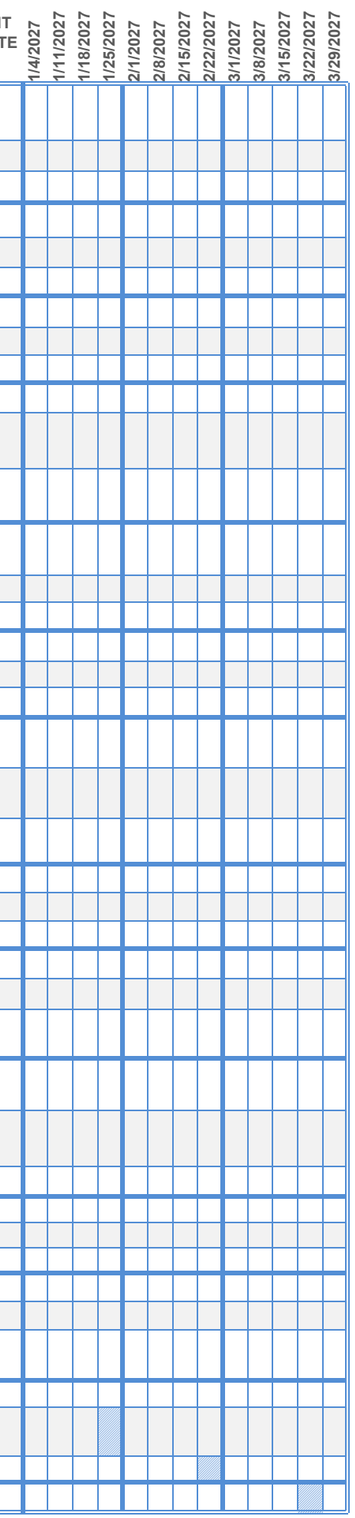
CAP and UIC Approval	4/14/2025	7			0%
Ground Penetrating Radar Survey	4/21/2025	7			0%
Install Additional Recovery Wells	4/28/2025	1			0%
Baseline Sampling Event	4/28/2025	4			0%
Report and Invoice #1	5/12/2025	2			0%
Order, Receive, and Store Chemicals for 1st Injection Event	5/12/2025	2			0%
1st Injection Event	5/19/2025	11			0%
Report and Invoice #2	6/2/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-1, RW-6, and RW-7	6/16/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-2, RW-3, and RW-4	6/23/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-4, RW-5, and RW-8	6/30/2025	4			0%
Interim Sampling Event #1	7/21/2025	2			0%
Report and Invoice #3	7/28/2025	5			0%
Order, Receive, and Store Chemicals for 2nd Injection Event	7/28/2025	7			0%
2nd Injection Event	8/4/2025	11			0%
Report and Invoice #4	8/18/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-1, RW-6, and RW-7	9/8/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-2, RW-3, and RW-4	9/15/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-4, RW-5, and RW-8	9/22/2025	4			0%
Interim Sampling Event #2	10/13/2025	2			0%
Report and Invoice #5	10/20/2025	5			0%
Order, Receive, and Store Chemicals for 3rd Injection Event	10/20/2025	7			0%
3rd Injection Event	10/27/2025	11			0%
Report and Invoice #6	11/10/2025	5			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-1, RW-6, and RW-7	12/1/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-2, RW-3, and RW-4	12/8/2025	4			0%
96-Hour Aggressive Fluid Vapor Recovery Event Utilizing Wells RW-4, RW-5, and RW-8	12/15/2025	4			0%
Report and Invoice #7	12/22/2025	5			0%
1st Quarter Limited Sampling Event	3/23/2026	2			0%
Report and Invoice 1st Quarter Limited Sampling Event	4/20/2026	5			0%
2nd Quarter Limited Sampling Event	6/22/2026	2			0%
Report and Invoice 2nd Quarter Limited Sampling Event	7/20/2026	5			0%
3rd Quarter Comprehensive Sampling Event	9/21/2026	4			0%
Report and Invoice 3rd Quarter Comprehensive Sampling Event	10/19/2026	5			0%
4th Quarter Comprehensive Sampling Event	12/28/2026	4			0%
Report and Invoice 4th Quarter Comprehensive Sampling Event	1/25/2027	5			0%
Well Abandonment	2/22/2027	4			0%
Report and Invoice Well Abandonment	3/22/2027	5			0%



COST AGREEMENT

SC DEPARTMENT of ENVIRONMENTAL SERVICES

TARGETED COMPONENT INVOICE

South Carolina
Department of Environmental Services
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: **Westside Quick Stop**

UST Permit #: 12430 **Cost Agreement #:**

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
C. Survey					
1.2 Comprehensive Survey		each	$1,270.36		$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)	1	each	$1,111.57		$1,111.57
D. Mob/Demob					
1.2 Equipment	8	each	$1,245.93		$9,967.44
2.2 Personnel	26	each	$516.69		$13,433.94
3.2 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings*					
1.1 Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)*					
1.2 Standard	6174	per foot	$33.50		$206,829.00
2.2 Fractured Rock		per foot	$41.40		$0.00
H. Well Abandonment (does not include Field Screening)*					
1.2 2" diameter or less	7499.15	per foot	$3.79		$28,421.78
2.2 Greater than 2" to 6" diameter	328.77	per foot	$5.50		$1,808.24
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. **Well Installation (In accordance with R.61-71)***					
1.2 Water Table (hand augered)		per foot	$31.40		$0.00
2.B Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.2 Telescoping		per foot	$84.70		$0.00
4.2 Rock Drilling		per foot	$81.80		$0.00
5.2 2" Rock Coring		per foot	$88.50		$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.2 Recovery Well (4" diameter)	210	per foot	$69.60		$14,616.00
9.2 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.2 Re-develop Existing Well	563.2	per foot	$13.44		$7,569.41
J. Groundwater Sample Collection / Gauging Depth to Water/Product *					
1.2 Groundwater Purge		per well	$73.29		$0.00
2.2 Air or Vapors		sample	$14.66		$0.00
3.2 Water Supply Sample		sample	$26.87		$0.00
4.1A HydraSleeve		sample	$34.20		$0.00
4.2B No-purge Groundwater Sample/Surface wate	7	sample	$57.24		$400.68
5.2 Gauge Well only	56	sample	$8.55		$478.80

6.2 Sample Below Product		sample	$14.66		$0.00
7.2 Passive Diffusion Bag		sample	$31.75		$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Bl	32	sample	$30.06		$961.92
9.2 Groundwater (low flow purge)	165	sample	$111.16		$18,341.40
10.2 Equipment Blank		sample	$30.06		$0.00
11.1 Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)	198	per sample	$149.02		$29,505.96
2.2 Lead, Filtered		per sample	$16.85		$0.00
3.2 Rush EPA Method 8260B	26	per sample	$187.62		$4,878.12
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.2 PAH's		per sample	$74.02		$0.00
6.2 Lead		per sample	$19.54		$0.00
7.2 EDB by EPA 8011	180	per sample	$55.21		$9,937.80
8.2 EDB by EPA Method 8011 Rush	24	per sample	$83.31		$1,999.44
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.2 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.2 EDB (504.1)		per sample	$97.11		$0.00
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH-GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00
P. Survey*					
1.1 Subsequent Survey	1	each	$297.65		$297.65
Q. Disposal (gallons or tons)*					
1.2 Wastewater	500	gallon	$1.19		$595.00
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal	3	ton	$156.25		$468.75
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
1. Targeted Corrective Action (see attached Table)	1	each	$284,547.61		$284,547.61
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.2 8-hour Event		per event	$1,787.40		$0.00
2.1 24-hour Event		per event	$4,407.78		$0.00
3.1 48-hour Event		per event	$7,242.29		$0.00

4.1 96-hour Event	9	per event	$14,482.28		$130,340.52
5.1 Off-gas Treatment 8 hour		per event	$141.17		$0.00
6.2 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour	9	per event	$898.84		$8,089.56
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00
10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance	3	each	$302.40		$907.20
15.1 Additional Hook-ups		each	$29.68		$0.00
16.2 AFVR Effluent Disposal	72000	gallon	$0.53		$38,160.00
17.2 AFVR Mobilization/Demobilization	9	each	$777.60		$6,998.40
Z. High Resolution Site Characterization					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	$820,666.18		$98,479.94
TOTAL					$919,146.12

ITEM					
R. Miscellaneous (attach receipts)	QUANTITY	UNIT	UNIT PRICE		TOTAL
Corrective Action Plan	1	each	$10,000.00		$10,000.00
I. Injection					
Injectate	0	per event	$0.00		$0.00
Injection Services - AK&GPR	0	per event	$0.00		$0.00
Injection supplies	0	each	$0.00		$0.00
Injection Services - Regenesis	0	each	$0.00		$0.00
Secondary Parameter Analysis	0	each	$0.00		$0.00
II. Enhanced AFVR					$0.00
Injectate - Event 1	1	each	$47,683.54		$47,683.54
Injectate - Event 2	1	each	$47,683.54		$47,683.54
Injectate - Event 3	1	each	$47,683.54		$47,683.54
Injection Services and Equipment - Event 1	1	each	$40,000.00		$40,000.00
Injection Services and Equipment - Event 2	1	each	$40,000.00		$40,000.00
Injection Services and Equipment - Event 3	1	each	$40,000.00		$40,000.00
Expendable Supplies and Tooling - Event 1	1	per event	$3,832.33		$3,832.33
Expendable Supplies and Tooling - Event 2	1	per event	$3,832.33		$3,832.33
Expendable Supplies and Tooling - Event 3	1	per event	$3,832.33		$3,832.33
III. Excavation		ton			$0.00
Excavation Equipment and Operator		each			$0.00
Backfill Material		ton			$0.00
Backfill Additive		ton			$0.00
Proctor/Compaction Testing		per event			$0.00
Sheet Piling		per event			$0.00
Dewatering Equipment		per event			$0.00
Excavation Security/Fencing		per event			$0.00
TOTAL					$284,547.61

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC, 29201

SHREE GAJVAKRA LLC
205 FAIRWAY DR
LAURENS SC 29360

MAR 05 2025

UST DOCKETING 82 Jech

Re: **Enhanced Aggressive Fluid and Vapor Recovery Corrective Action Plan Request**
Westside Quick Stop, 821 W Parker Rd, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Corrective Action Plan received January 16, 2025
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the South Carolina Department of Environmental Services (SCDES) has reviewed the referenced Corrective Action Plan (CAP) submitted by your contractor. The CAP was submitted to address petroleum chemicals in the groundwater above Risk-Based Screening Levels and established Site-Specific Target Levels (SSTLs). The proposed corrective action includes subsurface chemical injections in conjunction with Aggressive Fluid Vapor Recovery (AFVR).

The UST Division would like to provide you with the following comments on the CAP:

- The use of monitoring wells for injection and/or recovery purposes is not allowed. Therefore, MW-1 & MW-24 cannot be used for extraction.
- After discussions with your contractor, the baseline sampling event should be a comprehensive sampling event to include all wells and the surface water.

Please address these comments in a CAP Addendum.

Under state and federal regulations, as the underground storage tank (UST) owner/operator at the time of the referenced release, you are ultimately responsible for cleanup actions taken in response to this release. Pursuant to S.C. Code Ann. Section 44-2-40(D), funds from the State Underground Petroleum Environmental Response Bank (SUPERB) Site Rehabilitation Fund Account and SUPERB Financial Responsibility Fund provide combined coverage for site rehabilitation activities and third party claims not to exceed one million dollars. The maximum allowable corrective action cost SCDES can establish is dependent on the remaining SUPERB Account balance for the individual release. According to UST Division records, approximately $209,114.65 has been expended from the SUPERB Account to date for Release #1 and $231,851.45 has been expended for Release #2.

In accordance with South Carolina Underground Storage Tank Control Regulations (USTCR R.61-92 § 208.66) SCDES is requesting the submission of a CAP Addendum addressing the comments above. **The CAP Addendum should be submitted within 30 days of this correspondence**. The CAP Addendum must be completed in compliance with the current revision of the UST Quality Assurance Program Plan (QAPP) and all applicable regulations. The QAPP is available at scdhec.gov/Environment/Land-Waste/Underground-Storage-Tanks/Release-Assessment-Clean/Quality-Assurance.

After the CAP Addendum is reviewed and approved, the UST Management Division will issue a notice to proceed. **Implementation of the CAP is not authorized until the contractor receives a notice to proceed from the UST Management Division.**

The contractor must, at all times, keep the site free from waste materials and rubbish related to the corrective action. All contaminated soil and construction debris, contaminated water, and FP generated on-site will be removed from the site promptly. Manifests documenting the proper disposal of the contaminated soil, construction debris, contaminated water, and FP must be included in the appropriate report.

On all correspondence concerning this site, please reference UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0631, by fax at (803) 898-0673, or by email at Adam.Looper@des.sc.gov.

Sincerely,

Adam Looper, P.G.
Hydrogeologist

cc: EnviroSouth, Inc., 3440 Augusta Rd, Greenville, SC 29605
Shree Gajvakra LLC, 205 Fairway Dr, Laurens, SC 29360
Quincy Hoffer, UST Management Division
Technical File

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

UST DOCKETING 84 Yeely

PUBLIC NOTICE
Notice #12430-1
March 20, 2025

This notice is to inform the public that the S.C. Department of Environmental Services (SCDES) is taking public comments on a Corrective Action Plan (CAP). This CAP addresses the cleanup of soil and groundwater contamination at the facility listed below. The contamination was caused by petroleum products that were released from underground storage tank system at this facility.

FACILITY: **Westside Quick Stop, 821 W Parker Rd, Greenville, SC**

APPLICANT: **Shree Gajvakra LLC, 205 Fairway Dr, Laurens. SC**

SUMMARY OF CAP:
Petroleum and petroleum byproducts naturally break down over time through chemical, physical, and biological processes. These processes are called natural attenuation. EnviroSouth, Inc. has submitted a CAP proposing the use of the following technology(ies) in addition to natural attenuation to clean up the contamination.

- **Aggressive Fluid Vapor Recovery:** A high-pressure vacuum is attached to recovery wells; it removes petroleum vapors, contaminated groundwater, and the petroleum product.
- **Surfactant Injection:** Surfactant is injected to increase the mobility of the petroleum contamination.

PUBLIC COMMENT PERIOD DEADLINE: The **deadline** for submitting written comments is **5 PM April 23, 2025.** Any interested person(s) may submit written comments concerning the cleanup to the Project Manager listed below. Please bring this notice to the attention of persons whom you know will be interested in this matter. Where there is a significant degree of public interest, SCDES will hold a public meeting.

Adam Looper, P.G., Hydrogeologist
(803) 898-0631

CONTACT INFORMATION: For additional information, please call the Project Manager listed above. To view the CAP, contact the Freedom of Information Office at 803-898-3882 or view it online at des.sc.gov/community/community-engagement/environmental-public-notices.

Section 280.67 of the S.C. UST Control Regulations (R.61-92) requires that any CAP prepared to meet the requirements of 280.66 be placed on notice for public comment.

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

SHREE GAJVAKRA LLC
205 FAIRWAY DR
LAURENS SC 29360

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Corrective Action Plan received January 16, 2025
Corrective Action Plan Addendum received March 6, 2025
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. The above referenced release of petroleum products has been identified in the soil and/or groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and/or groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Joe Kernell, 301 University Ridge, Suite 2400, Greenville, SC 29601 (w/ enc)
EnviroSouth, Inc., 3440 Augusta Rd, Greenville, SC 29605 (w/ enc)
Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

WESTSIDE QUIK SHOP INC
809 W PARKER RD
GREENVILLE SC 29611

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
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Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

LESLIE GUERRA
2209 W BLUE RIDGE DR
GREENVILLE SC 29611

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

Dear Ms. Guerra:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcels 0135000101100, 0135000101200, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

BRANDON GUERRA
2215 W BLUE RIDGE DR
GREENVILLE SC 29611

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

Dear Mr. Guerra:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0135000101300, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

C-BASS HOLDINGS LLC
PO BOX 24188
GREENVILLE SC 29616

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0135000101600, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

JESSE MCRAE
10 HOYT ST
GREENVILLE SC 29611

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

Dear Mr. McRae:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0135000101700, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

PEDRO ARGUEDAS
PO BOX 653
MAULDIN SC 29662

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

Dear Mr. Arguedas:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0135000101800, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

APEX COMMERCIAL & CO LLC
807 W PARKER RD
GREENVILLE SC 29611

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0135000100900, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

MAR 14 2025

MICHAEL POORE
113 POINT DR
TOWNVILLE SC 29689

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

Dear Mr. Poore:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0143000300800, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

RTC REAL ESTATE LLC
113 POINT DR
TOWNVILLE SC 29689

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0143000300900, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

ANABEL CHAVEZ-PEREZ
201 CRANE AVE
GREENVILLE SC 29617

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

Dear Ms. Chavez-Perez:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0134000600100, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

ANGELA DE LEON
104 WOODWAY DR
GREER SC 29651

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

Dear Ms. De Leon:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0143000301000, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

BETTY WYATT
4 MARCHANT ST
GREENVILLE SC 29617

MAR 14 2025

Re: **Public Notice of Proposed Active Corrective Action**
Westside Quick Stop, 821 W Parker Dr, Greenville, SC
UST Permit #12430
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Greenville County

Dear Ms. Wyatt:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) is reviewing a proposed a corrective action plan (CAP) at the referenced facility. According to the Greenville County Tax Assessors Office, you own parcel 0143000301100, adjacent to the referenced facility.

The above referenced release of petroleum products has been identified in the soil and groundwater. EnviroSouth, Inc. (contractor) has submitted a CAP to initiate corrective action of the impacted soil and groundwater using Aggressive Fluid and Vapor Recovery and chemical injections in addition to natural attenuation.

Section 280.67 of the S.C. UST Regulations requires the UST Division to provide notice to those members of the public that may be affected by a planned corrective action. The CAP has been sent to you. Please contact me if you do not receive it. The CAP can also be viewed online at des.sc.gov/community/community-engagement/environmental-public-notices.

Should you have any questions or comments regarding the proposed corrective action, please contact me at (803) 898-0631 or Adam.Looper@des.sc.gov. All comments should be submitted on or before April 23, 2025.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Public Notice

cc: Technical File (w/o enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC, 29201

MAY 06 2025

UST 85 DOCKETING

SHREE GAJVAKRA LLC
205 FAIRWAY DR
LAURENS SC 29360

Re: **Enhanced Aggressive Fluid Vapor Recovery Corrective Action Plan Notice to Proceed**
Westside Quick Stop, 821 W Parker Rd, Greenville, SC
UST Permit #12430; CA #69805 (Rel.1); CA #69806 (Rel. 2); UMW-30143
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Corrective Action Plan received January 16, 2025
Corrective Action Plan Addendum received March 6, 2025
Public Notice completed April 28, 2025
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) has reviewed the Corrective Action Plan (CAP) submitted by your contractor. All work should be conducted in compliance with the most recent revision of the UST Quality Assurance Program Plan (QAPP), your contractor's Annual Contractor Quality Assurance Plan, and all applicable regulations. The QAPP is available at des.sc.gov/programs/bureau-land-waste-management/underground-storage-tanks/ust-quality-assurance-program-plan-qapp.

Pursuant to S.C. Code Ann. Section 44-2-40(D), "The SUPERB Account and the SUPERB Financial Responsibility Fund shall provide combined coverage for site rehabilitation and third-party claims, respectively, not to exceed one million dollars per occurrence". According to UST Division records, approximately $209,114.65 has been expended from the SUPERB Account to date for Release #1 and $231,851.45 has been expended for Release #2. This scope of work, as recommended by your contractor, is anticipated to cost approximately $919,146.12 which will be split between the two releases.

As required by Section 280.67 of the S.C. UST Regulations R.61-92, the UST Division has provided a public notice, including notice of the pending corrective actions to the surrounding landowners. No objections to the proposed actions were expressed; implementation of the CAP may proceed. The monitoring well approval for the injection wells has been enclosed. The corrective action activities may not begin until the proper UIC Permits have been issued.

The contractor must notify the UST Project Manager via email 4 days prior to the initiation of any Site Rehabilitation Activities. If there are any changes or conflicts with the date(s) of site activities, the UST Project Manager must be contacted within 24 hours of those changes. Due to the nature of the work conducted by the contractors and the UST Management Division, the contractor will notify the UST Project Manager within 24 hours via phone or email concerning any quality assurance problems.

The contractor will be responsible for keeping and preserving suitable records of hydrological and other site assessments, site plans, contracts, accounts, invoices, or other transactions related to the cleanup and rehabilitation and the records must be accessible to the department during regular business hours. In addition, all subcontractor agreements, invoices, correspondence, plans, reports, records, including all electronic and paper formats. All records must be maintained for 10 years after project completion.

You can submit an invoice for direct payment from the State Underground Petroleum Environmental Response Bank (SUPERB) Account for pre-approved costs. **The Enhanced AFVR Report, contractor Checklist (QAPP Appendix K), and invoice should be submitted to the UST Division on or before** April 30, 2027**.** If the invoice is not submitted within 120 days from the date of this letter, monies allocated to pay this invoice will be uncommitted. This means that the invoice will not be processed for payment until all other committed funds are paid or monies become available.

The final Enhanced AFVR Report should include a narrative portion describing the injection and recovery activities and include photographs of field work, a scaled site map showing the locations of buildings, roads, monitoring wells, the former UST system, utilities, and the injection area superimposed, pre-injection and post-injection secondary parameter test results, a copy of the SCDES approval letter, well installation logs, copies of all applicable permit approvals, a signature and seal by a professional engineer or professional geologist registered in the State of South Carolina.

Please note that Sections 44-2-110(4) and 44-2-130 of the SUPERB Statute states that no costs will be allowed unless prior approval is obtained from the UST Management Division. If for any reason additional tasks will be completed, these additional tasks and the associated cost must be preapproved by SCDES for the cost to be paid. SCDES reserves the authority to pay only for work properly performed and/or technically justified and will only pay rates in accordance with established criteria. Further, SCDES reserves the right to question and/or reject costs if deemed unreasonable and the right to audit project records at any time during the project or after completion of work.

Please note that applicable South Carolina certification requirements regarding laboratory services, well installation, and report preparation must be satisfied. Any site rehabilitation activity associated with the UST release must be performed by a SCDES-certified site rehabilitation contractor as required by the SUPERB Site Rehabilitation and Fund Access Regulation, R.61-98.

SCDES grants pre-approval for transportation of virgin petroleum impacted soil and groundwater from the referenced site to a permitted treatment facility. The transport and disposal must be conducted in accordance with the QAPP. If the CoC concentrations based on laboratory analysis are below RBSLs, please contact the project manager for approval to dispose of soil and/or groundwater on site. The SUPERB Account will not reimburse for transportation or treatment of soil and/or groundwater with concentrations below RBSLs.

If the report cannot be submitted by the required due date, an extension may be requested by submitting a written request, either via postal mail or email, to my attention prior to the due date. The Department will issue a Notice of Alleged Violation if the report is not submitted by the required due date.

On all correspondence concerning this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0631, by fax at (803) 898-0673, or by email at Adam.Looper@des.sc.gov.

Sincerely,

Adam Looper, P.G., Hydrogeologist

enc: Approved Cost Agreement
Monitoring Well Approval Form

cc: EnviroSouth, Inc., 3440 Augusta Rd, Greenville, SC 29605 (w/ enc)
Quincy Hoffer, UST Management Division (w/ enc)
Technical file (w/ enc)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

Monitoring Well Approval

Approval is granted to: EnviroSouth, Inc.
On behalf of: Shree Gajvakra LLC
Facility: Westside Quick Stop, 821 W Parker Rd, Greenville, SC
UST Permit: #12430
County: Greenville

This approval is for the installation of injection wells. The wells are to be installed in the approved locations. Monitoring wells are to be installed following the S.C. Well Standards, R.61-71, and the applicable guidance documents.

Please note that R.61-71 requires the following:

1. All wells shall be drilled, constructed, and abandoned by a S.C. certified well driller per R.61-71.D.1.
2. All monitoring wells shall be labeled as required by R.61-71.H.2.c.
3. A Water Well Record Form or other form provided or approved by the UST Division shall be completed and submitted to the UST Division within 30 days after well completion or abandonment unless another schedule has been approved by the UST Division. The form should contain the "as-built" construction details and all other information required by R.61-71.H.1.f
4. All analytical data and water levels obtained from each monitoring well shall be submitted to the UST Division within 30 days of receipt of laboratory results unless another schedule has been approved by the UST Division as required by R.61-71.H.1.d.
5. If any of the information provided to the UST Division changes, notification to Adam Looper, the project manager (phone: (803) 898-0631 or email: Adam.Looper@des.sc.gov.) shall be provided a minimum of twenty-four (24) hours prior to well construction as required by R.61-71.H.1.a.
6. All temporary monitoring wells shall be abandoned within 5 days of borehole completion using appropriate methods as required by R.61-71.H.4.c. All other wells shall be properly developed per R.61-71.H.2.d.
7. UST Division approval is required prior to abandonment of all monitoring wells as required by R.61-71.H.1.a.

This approval is pursuant to the provisions of Section 44-55-40 of the 1976 S.C. Code of Laws and R.61-71 of the S.C. Well Standards and Regulations, dated May 27, 2016. A copy of this approval should be on the site during well installation.

Date of Issuance: April 29, 2025 **Approval #: UMW-30143**

Adam Looper, P.G., Hydrogeologist

Approved Cost Agreement 69805

Facility: 12430 WESTSIDE QUICK STOP
LOOPERAM
PO Number:

Task / Description	Categories	Item Description	Qty / Pct	Unit Price	Amount
C SURVEY					
		5.1 GROUND PENET. RADAR (100 X100)	0.5000	$1,111.570	555.79
D MOB/DEMOB					
		1.2 EQUIPMENT	4.0000	$1,245.930	4,983.72
		2.2 PERSONNEL	13.0000	$516.690	6,716.97
F SOIL BORINGS (DRILLED)					
		1.2 STANDARD	3,087.0000	$33.500	103,414.50
H ABANDONMENT					
		1.2 2" DIAMETER OR LESS	3,749.5750	$3.790	14,210.89
		2.2 GREATER THAN 2" TO 6" DIAMETER	164.3850	$5.500	904.12
I WELL INSTALLATION					
		10.2 RE-DEVELOP EXISTING WELL	281.6000	$13.440	3,784.70
		7.2 RECOVERY WELL (4" DIAMETER)	105.0000	$69.600	7,308.00
J SAMPLE COLLECTION					
		4.2B NO-PURGE GROUNDWATER	3.5000	$57.240	200.34
		5.2 GAUGE WELL ONLY	28.0000	$8.550	239.40
		8.2 FIELD DUPL. (MWS & WSWS) & FB	16.0000	$30.060	480.96
		9.2 GROUNDWATER (LOW FLOW PURGE)	82.5000	$111.160	9,170.70
K ANALYSES					
	GW GROUNDWATER	1.2 BTEXNM+OXYGS+1,2 DCA+ETH 8260D	99.0000	$149.020	14,752.98
		3.2 RUSH EPA METHOD 8260B	13.0000	$187.620	2,439.06
		7.2 EDB BY EPA 8011	90.0000	$55.210	4,968.90
		8.2 EDB BY EPA METHOD 8011 RUSH	12.0000	$83.310	999.72
P SUBSEQUENT SURVEY					
		1.1 SUBSEQUENT SURVEY	0.5000	$297.650	148.83
Q DISPOSAL					
		1.2 WASTEWATER	250.0000	$1.190	297.50
		3.2 SOIL TREATMENT DISPOSAL	1.5000	$156.250	234.38
R MISCELLANEOUS					
		AFVR INJECTATE	1.5000	$47,683.540	71,525.31
		AFVR INJECTION SERVICES	1.5000	$40,000.000	60,000.00
		AFVR SUPPLIES	1.5000	$3,832.330	5,748.50
		CORRECTIVE ACTION PLAN	0.5000	$10,000.000	5,000.00
S REPORT PROJECT MANAGEMENT					
		S REPORT PREP & PROJ. MANAGEMENT	0.1200	**********	49,239.97
W AFVR					
		14.2 AFVR SITE RECONNAISSANCE	1.5000	$302.400	453.60
		16.2 AFVR EFFLUENT DISPOSAL	36,000.0000	$0.530	19,080.00
		17.2 AFVR MOB - DEMOB	4.5000	$777.600	3,499.20
		4.1 96 HOUR EVENT	4.5000	$14,482.280	65,170.26
		8.1 OFF GAS TREATMENT 96 HOUR	4.5000	$898.840	4,044.78
				Total Amount	459,573.08

Approved Cost Agreement 69806

Facility: 12430 WESTSIDE QUICK STOP
LOOPERAM
PO Number:

Task / Description	Categories	Item	Description	Qty / Pct	Unit Price	Amount
C SURVEY						
		5.1	GROUND PENET. RADAR (100 X100)	0.5000	$1,111.570	555.79
D MOB/DEMOB						
		1.2	EQUIPMENT	4.0000	$1,245.930	4,983.72
		2.2	PERSONNEL	13.0000	$516.690	6,716.97
F SOIL BORINGS (DRILLED)						
		1.2	STANDARD	3,087.0000	$33.500	103,414.50
H ABANDONMENT						
		1.2	2" DIAMETER OR LESS	3,749.5750	$3.790	14,210.89
		2.2	GREATER THAN 2" TO 6" DIAMETER	164.3850	$5.500	904.12
I WELL INSTALLATION						
		10.2	RE-DEVELOP EXISTING WELL	281.6000	$13.440	3,784.70
		7.2	RECOVERY WELL (4" DIAMETER)	105.0000	$69.600	7,308.00
J SAMPLE COLLECTION						
		4.2B	NO-PURGE GROUNDWATER	3.5000	$57.240	200.34
		5.2	GAUGE WELL ONLY	28.0000	$8.550	239.40
		8.2	FIELD DUPL. (MWS & WSWS) & FB	16.0000	$30.060	480.96
		9.2	GROUNDWATER (LOW FLOW PURGE)	82.5000	$111.160	9,170.70
K ANALYSES						
	GW GROUNDWATER	1.2	BTEXNM+OXYGS+1,2 DCA+ETH 8260D	99.0000	$149.020	14,752.98
		3.2	RUSH EPA METHOD 8260B	13.0000	$187.620	2,439.06
		7.2	EDB BY EPA 8011	90.0000	$55.210	4,968.90
		8.2	EDB BY EPA METHOD 8011 RUSH	12.0000	$83.310	999.72
P SUBSEQUENT SURVEY						
		1.1	SUBSEQUENT SURVEY	0.5000	$297.650	148.83
Q DISPOSAL						
		1.2	WASTEWATER	250.0000	$1.190	297.50
		3.2	SOIL TREATMENT DISPOSAL	1.5000	$156.250	234.38
R MISCELLANEOUS						
			AFVR INJECTATE	1.5000	$47,683.540	71,525.31
			AFVR INJECTION SERVICES	1.5000	$40,000.000	60,000.00
			AFVR SUPPLIES	1.5000	$3,832.330	5,748.50
			CORRECTION ACTION PLAN	0.5000	$10,000.000	5,000.00
S REPORT PROJECT MANAGEMENT						
		S	REPORT PREP & PROJ. MANAGEMENT	0.1200	**********	49,239.97
W AFVR						
		14.2	AFVR SITE RECONNAISSANCE	1.5000	$302.400	453.60
		16.2	AFVR EFFLUENT DISPOSAL	36,000.0000	$0.530	19,080.00
		17.2	AFVR MOB - DEMOB	4.5000	$777.600	3,499.20
		4.1	96 HOUR EVENT	4.5000	$14,482.280	65,170.26
		8.1	OFF GAS TREATMENT 96 HOUR	4.5000	$898.840	4,044.78
					Total Amount	459,573.08

☒ Hard Copy ☒ CD ☐ Email

RECEIVED

JUN 27 2025

UST DIVISION

Date Received _____

Permit Number 12430

Project Manager Adam Looper

Name of Contractor Enviro South

Description Baseline GWS & 1st Injection Report

Docket Number 86T

Scanned _____

Verified _____

June 20, 2025

Mr. Adam Looper, P.G.
SCDES
UST Management Division
2600 Bull Street
Columbia, South Carolina 29201

Re: Baseline Groundwater Sampling and 1st Injection Report
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES Site ID No. 12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

On behalf of Shree Gajvakra, LLC, EnviroSouth, Inc. is pleased to submit the attached report for the above-referenced site in Greenville, South Carolina.

If you have any questions concerning our findings, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

cc: Mr. Ankur Patel, Shree Gajvakra, LLC

Prepared for:

Mr. Ankur Patel
Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

BASELINE GROUNDWATER SAMPLING AND 1ST INJECTION REPORT

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

Job No. 3570
SCDES UST IID No. 12430
Cost Agreement Nos.: 69805 and 69806

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

UST Contractor #257

June 20, 2025

A report prepared for:

Mr. Ankur Patel
Shree Gajvakra LLC
205 Fairway Drive
Laurens, South Carolina 29360

BASELIINE GROUNDWATER SAMPLING
AND 1ST INJECTION REPORT
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

EnviroSouth Job No. 3570
SCDES UST ID No. 12430
Cost Agreement Nos.: 69805 and 69806

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INTRODUCTION

The Westside Quick Stop facility is located in the city of Greenville, Greenville County, South Carolina at the location displayed on Figure 1. The site address is 821 W. Parker Road, Greenville, South Carolina. The facility is in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road and W. Blue Ridge Drive. The site is an active gasoline station that maintains four (4) regulated underground storage tanks (USTs) and associated piping and dispensers. The site has two (2) open and documented releases from the UST system. Release #1 was reported in June 2012 and Release #2 was reported in October 2012. These releases are the subject of the targeted scope corrective action detailed below.

EnviroSouth, Inc. has completed a limited baseline groundwater sampling and the first round of three (3) planned injection activities as specified in the Corrective Action Plan (CAP) for the Westside Quick Stop facility. The work was authorized as directed by the South Carolina Department of Environmental Services (SCDES; formerly known as the SCDHEC) in a letter dated May 6, 2025.

SUMMARY OF ASSESSMENT

An Initial Groundwater Assessment (IGWA), Tier I Assessment, and an initial Tier II Assessment were completed in response to the two (2) releases documented at the site. As a result of the presence of free-phase gasoline in groundwater monitoring well MW-1 during a May 2016 groundwater gauging event conducted by the South Carolina Department of Environmental Services (SCDES), an additional Tier II Assessment and two (2) 96-hour Aggressive Fluid Vapor Recovery/Mobile Multi-Phase Extraction (AFVR/MMPE) events were completed at the site in early 2017. Additional 96-hour AFVR/MMPE events were completed at the site in May 2018, January 2020, February 2021, March 2021, February 2022, and March 2022. Four (4) additional 96-hour AFVR/MMPE events and a comprehensive groundwater sampling event were performed from September 2023 to October 2023. A comprehensive groundwater monitoring report detailing these field activities was submitted in December 2023.

After completing twelve (12) 96-hour AFVR events (as detailed above), widespread free-phase product remained at thicknesses up to 1.14 feet (November 2023).

While product thickness reductions have been observed, the releases cannot be closed until product thicknesses are reduced to less than 0.01 feet and dissolved contaminant concentrations are below site-

specific target levels (SSTLs). Based on the persistence of free-phase product, it has become evident that an alternative, more aggressive, approach to reach closure was needed. Therefore, the SCDES modeled the site using the Domenico groundwater fate and transport model, established SSTLs, and requested a Strategy to Closure in a letter dated July 19, 2024.

EnviroSouth developed a Strategy to Closure that consisted of in-situ chemical oxidation (ISCO) utilizing an oxidizing surfactant combined with AFVR in the source area of the petroleum releases, an approach commonly referred to as enhanced AFVR. This approach was submitted to the SCDES in August 2024 for review. After discussion with the SCDES project team, the strategy was amended to become more robust by treating the entire release area with a stronger dose of oxidant than previously considered to optimize the chance for success.

A Corrective Action Plan (CAP) was submitted to the SCDES in January 2025 and revised in February 2025 to amend the published schedule of events. The CAP was authorized as directed by the SCDES in a letter dated May 6, 2025.

REGIONAL AND SITE HYDROGEOLOGY

The site is located in the Piedmont physiographic province of South Carolina which is characterized by crystalline bedrock overlain by varying thicknesses of soil referred to as saprolite. The saprolite is derived from the in-place chemical weathering of the bedrock. Saprolite retains much of the original structure of the parent rock. The remnant structures can have a significant effect on the groundwater flow rate and direction.

Groundwater recharge in the Piedmont is principally from precipitation. Average annual rainfall throughout the region is about 45 inches. Approximately 30 inches per year are lost as surface runoff or evapotranspiration, leaving about 15 inches of precipitation per year available for groundwater recharge. Generally, in the Piedmont, the shallow or water table aquifer is comprised of saprolite which acts as a collection reservoir, recharging the deeper bedrock system.

Based on the geologist logs of monitoring wells installed at the site during earlier assessments, the area of concern is underlain by saprolitic sandy silts and silty sands to depths greater than 40 feet below ground surface (bgs). Below this depth, the area is likely underlain by gneiss bedrock.

CORRECTIVE ACTION ACTIVITIES

Permitting

An underground injection control (UIC) permit application was prepared by EnviroSouth and approved by Ms. Courtney Milledge, SCDES UIC coordinator. UIC permits to construct and operate 147 temporary injection wells were issued as permit numbers SCHE000085 and SCHE000085 V2.0, respectively.

Recovery Well Installation

EnviroSouth oversaw the installation of five (5) 4-inch diameter recovery wells (RW-4, RW-5, RW-6, RW-7 and RW-8) on May 5, 2025, in the locations approved by the SCDES. The wells were installed by Mr. William Walker of Walker Environmental Services, LLC (S.C. Certification Number B-2042) at the locations shown on the attached Figure 2.

The recovery wells were installed using 6.25-inch diameter hollow-stem augers turned by a Geoprobe 7822 DT drilling rig. The total depth of recovery wells RW-4, RW-5, RW-6, RW-7, and RW-8 is 42 feet below ground surface. Each recovery well was completed with a 20-foot section of 0.01-inch slotted screen. The wells were developed by over-pumping and surging following installation. Soil cuttings and well development water was containerized and transported to RE Integrated in Sumter, South Carolina (see attached waste disposal manifest). The completed water well record forms and geologist logs documenting the lithology encountered and well construction details.

Baseline Groundwater Sampling

A comprehensive baseline groundwater sampling event was performed at the site on May 8 and 9, 2025. Monitoring wells MW-2, MW-3, MW-4, MW-4I, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-12I, MW-14, MW-14I, MW-16I, MW-20, MW-21, MW-22, MW-22I, MW-25, MW-26, MW-26I, MW-27, MW-27I, MW-28, MW-X, and MW-XR were gauged and sampled. Monitoring wells MW-1 and MW-24 had free product and were gauged only. Monitoring wells MW-6, MW-15, MW-15I, MW-16, MW-17, MW-17I, MW-18, and MW-18I were obstructed, not located, or destroyed and could not be sampled. The older recovery wells RW-1, RW-2, and RW-3 as well as the newly installed recovery wells RW-4, RW-5, RW-6, RW-7 and RW-8 were gauged only for the presence of free product.

All samples were placed in laboratory-prepared containers, packed in an iced cooler with completed chain-of-custody documents, and shipped to a South Carolina certified laboratory (Pace Analytical Services, Inc., Certification #990060001). The laboratory reports including chain-of-custody documents are included in the appendix of this report.

The samples were analyzed for benzene, toluene, ethylbenzene, xylenes, methyl-tert-butyl ether, naphthalene, 1,2-dichloroethane, and oxygenates by EPA Method 8260 and for 1,2-dibromoethane by EPA Method 8011.

GROUNDWATER MONITORING

Groundwater Occurrence and Movement

Water level measurements were recorded on May 8, and 9, 2025 for the monitoring and recovery wells listed above. Water level (or free phase product level) measurements were taken with a hydrocarbon-sensitive interface probe accurate to 0.01 feet. The interface probe was decontaminated prior to and between each measurement to prevent cross-contamination between wells.

The saprolite aquifer underlying the site occurs under unconfined conditions. The top of the water table on the subject property is encountered at a depth of approximately 16 to 25 feet bgs.

The top of casing (TOC) elevations, water level measurements, and groundwater elevation data recorded from 2020 through the present at the site are included in Table 1. Data prior to 2020 was previously provided to the SCDES.

A groundwater elevation map of the shallow saprolite (water table) aquifer (Figure 3A) was generated based on water level measurements obtained from the gauged shallow wells. The Groundwater flow direction in the upper portion of the aquifer is toward the southeast.

A groundwater elevation map of the intermediate portion of the saprolite aquifer (Figure 3B) was generated based on water level measurements obtained from the gauged intermediate wells at the

site. Groundwater flow direction in this portion of the saprolite aquifer is generally toward the southeast.

Groundwater Sampling

Groundwater samples were collected from available wells (MW-2, MW-3, MW-4, MW-4I, MW-7, MW-8, MW-9, MW-10, MW-11, MW-12, MW-12I, MW-14, MW-14I, MW-16I, MW-20, MW-21, MW-22, MW-22I, MW-25, MW-26, MW-26I, MW-27, MW-27I, MW-28, MW-X, and MW-XR) in the monitoring network on May 8, and 9, 2025. Recovery wells were only gauged for the presence of free phase product. Two (2) field blanks, two (2) trip blanks, and two (2) duplicates were also collected for QA/QC purposes.

Samples were collected from monitoring wells with no free-phase product using a low flow-purging technique with a low-flow peristaltic pump and clean disposable tubing.

Field parameters were measured for each monitoring well purged using a calibrated Horiba U-52 water quality instrument with a flow through cell. Field parameter measurements were recorded on field sheets. Groundwater samples were collected after each well stabilized, as indicated by field parameter measurements. Field data sheets are included in the appendix.

Groundwater samples were collected and placed in laboratory-prepared containers, packed in an iced cooler with complete chain-of-custody documents, and shipped to a South Carolina certified laboratory (Pace Analytical Services, Inc., certification #99006001). The laboratory report including chain-of-custody documents is included in the appendix of this report.

The groundwater samples were analyzed for benzene, toluene, ethylbenzene, xylenes, methyl-tert-butyl ether, naphthalene, 1,2-dichloroethane, and oxygenates by EPA Method 8260 and for 1,2-dibromoethane by EPA Method 8011.

Petroleum-impacted groundwater purged during sampling was containerized and transported to SC Waste Management, Inc. for disposal under manifest control. A copy of the waste disposal

manifest is attached. Purge water from wells that did not require containerization was disposed of on-site within a 5-foot radius of the respective well from which it was purged.

Free-Phase Product (Gasoline)

All monitoring and recovery wells were gauged for the presence of free-phase product during the sampling event. Free-phase product was encountered at monitoring and recovery wells MW-1, MW-24, RW-1, RW-2, RW-5, and RW-7 at thicknesses ranging from 0.03 feet at recovery well RW-7 to 1.27 feet at monitoring well MW-24. Free-product thickness measurements are included on Table 1.

Groundwater Laboratory Data

Tabulated summaries of organic compound groundwater laboratory data collected during this and previous monitoring events dating back to 2020 are included on Tables 2 and 3. Data prior to 2020 was previously provided to the SCDES. A groundwater concentrations maps is included as Figure 4.

Groundwater Treatment (1st Round)

The remediation approach implemented in the source area surficial aquifer was ISCO utilizing direct contact with a solution of water and RegenOX®. Forty-nine (49) temporary injection wells were utilized to introduce the sodium percarbonate and water solution into the underground environment. The treatment area was approximately 2,400 square feet, and the vertical injection interval extended from approximately 20 feet bgs to 38 feet bgs (Figure 5). Approximately 10,920 pounds of RegenOx® was mixed with approximately 16,060 gallons of water as recommended to meet the stochiometric demands of the ISCO approach for this round.

The temporary injection wells were installed using a Geoprobe 7822DT drill rig with 1.5-inch diameter probe rods and a five-foot injection rod utilized in a bottom-up injection fashion.

Each injection well borehole was properly abandoned using pressure-injected neat cement grout immediately upon completion.

Water well record forms and field sheets for the temporary injection wells are included in the appendix.

Waste Materials

Sodium percarbonate bags and activator pails were emptied of all contents and placed in heavy duty contractor trash bags daily for disposal at a landfill suitable for the waste.

CONCLUSIONS AND RECOMMENDATIONS

Injection services were performed as outlined in the Corrective Action Plan submitted for the site and approved by SCDES. The volume of fluid planned for each injection point was successfully delivered at the injection wells, and within the vertical target treatment interval. At a limited number of points, product surfacing (also known as daylighting) of injectate occurred during injection at points located within close proximity to the UST basin and existing wells. Injection pressures and flow rates were adjusted during injection into these areas to minimize daylighting. The original injection maximum target depth (42 feet bgs) proposed in the CAP could not be obtained at any injection point because of direct-push probe refusal and injection tool breakage. Maximum depths and solution dosing were adjusted in the field to accommodate for probe refusal at approximately 35 feet bgs instead of the planned 42 feet bgs. Based on additional review of historical assessment data and the robust approach to groundwater remediation at this site, the actual vertical limit reached versus the planned vertical limit should not affect the projected outcome of these corrective action events.

It is recommended that the first round of AFVR activities be performed as scheduled to remove free phase product and highly contaminated groundwater from the subsurface of the site. AFVR activities commenced on June 16, 2025.

FIGURES

Reference: USGS 7.5-Minute series Greenville Quadrangle - 2011; Contour Interval = 10 feet

500 250 0 500

APPROXIMATE SCALE IN FEET

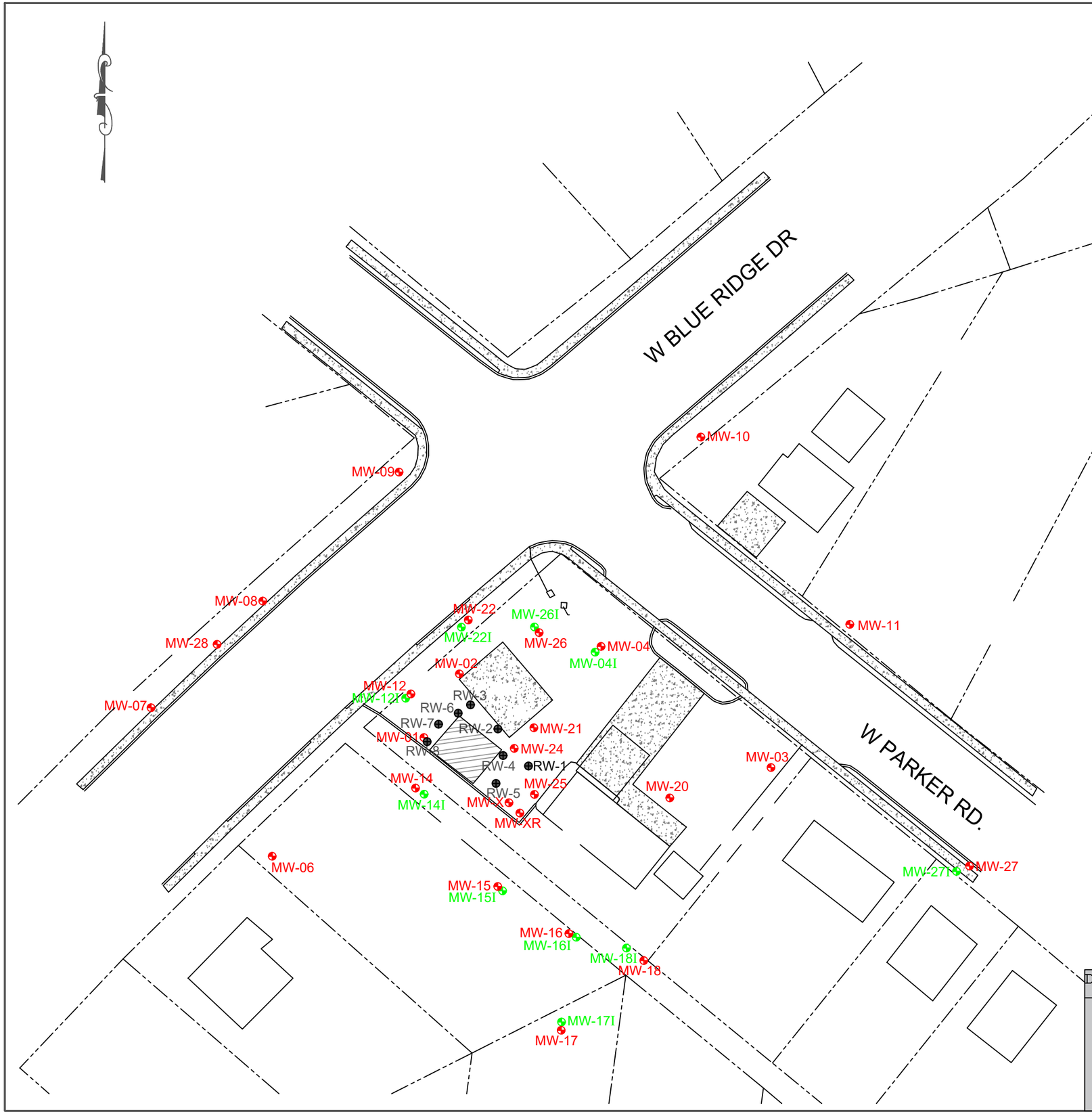
SITE

Private Water Supply Well

Title	Site Location Map
Project	Westside Quick Stop (UST Permit #12430) 821 W. Parker Road Greenville, South Carolina Greenville County
Date	11/26/21
Job No.	J21-977b

petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS

Figure No. 1



EXPLANATION

MW-01	= SHALLOW AQUIFER MONITORING WELL
MW-04I	= INTERMEDIATE AQUIFER MONITORING WELL
RW-1	= RECOVERY WELL
	= UST AREA
	= GIS PROPERTY LINE
	= FENCE LINE

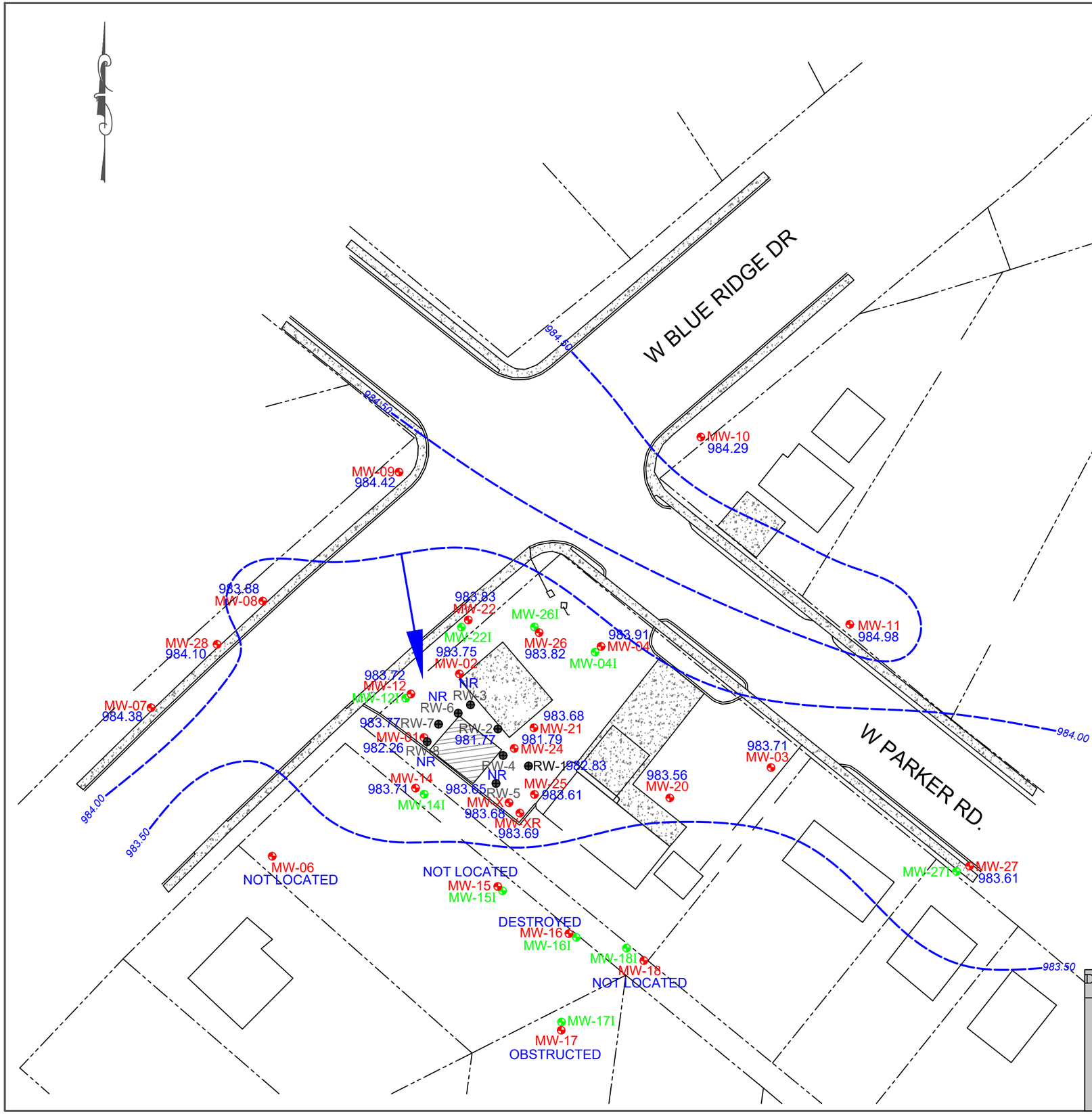
NOTE: Wells MW-5, MW-19, MW-19I, MW-23, and MW-23I are not shown on map because they were previously destroyed or abandoned.

DWG: SOUTHER LAND SURVEYING 2017 SURVEY	DATE 06/05/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 2

ENVIROSOUTH Environmental Consultants

SITE MAP

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



EXPLANATION

MW-01 982.26	= SHALLOW AQUIFER MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET
MW-04I	= INTERMEDIATE AQUIFER MONITORING WELL
RW-1	= RECOVERY WELL
	= UST AREA
	= GROUNDWATER CONTOUR INTERVAL (CONTOUR INTERVAL = 0.5 FEET)
	= ESTIMATED GROUNDWATER FLOW DIRECTION
	= GIS PROPERTY LINE
	= FENCE LINE

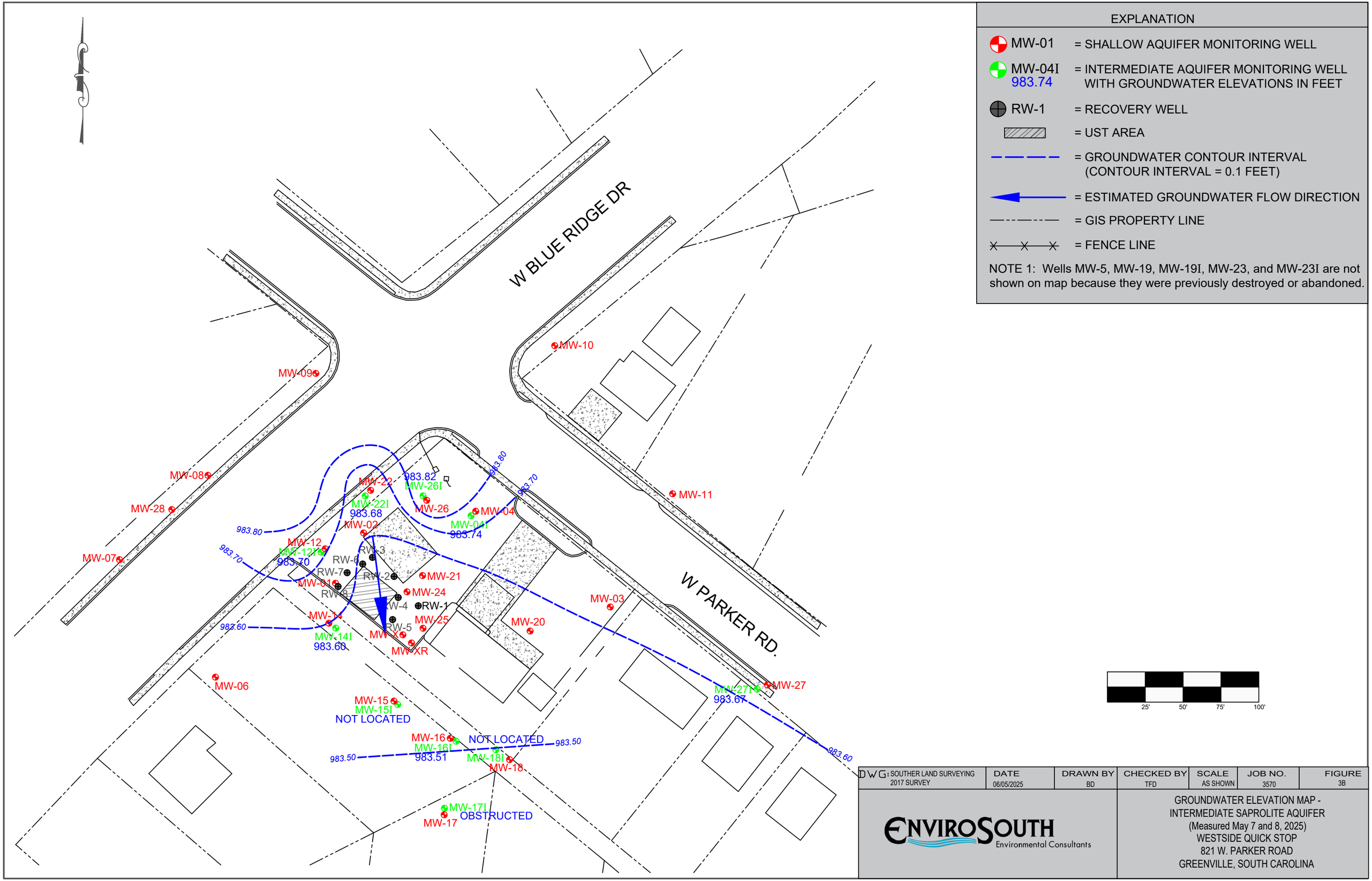
NOTE 1: Wells MW-5, MW-19, MW-19I, MW-23, and MW-23I are not shown on map because they were previously destroyed or abandoned.

NOTE 2: Monitoring wells MW-1 and MW-24 along with all recovery wells were not used in contouring because of the presence of free-phase product or because no groundwater elevation was recorded.

DWG: SOUTHER LAND SURVEYING 2017 SURVEY	DATE 06/05/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 3A

ENVIROSOUTH Environmental Consultants

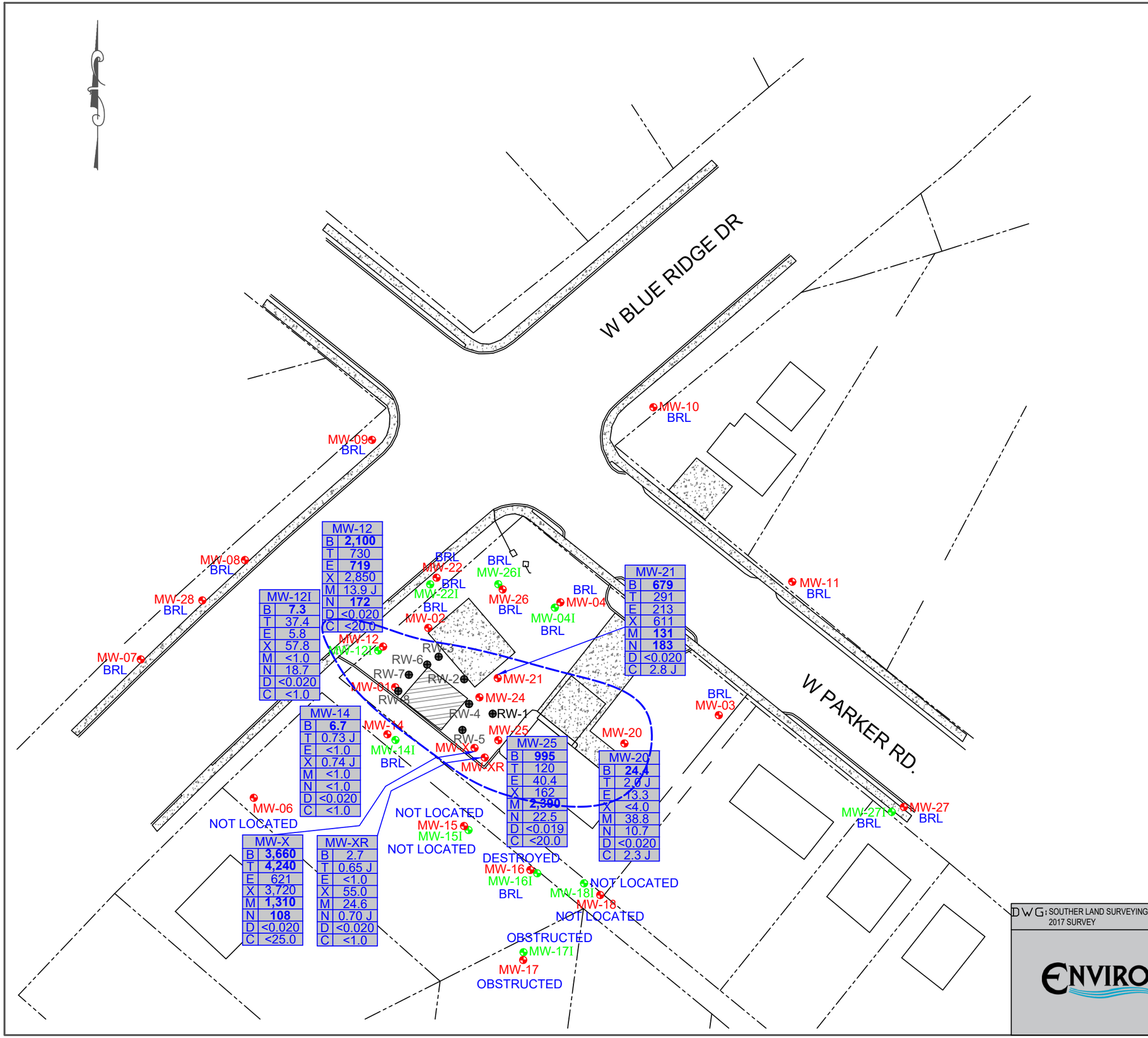
GROUNDWATER ELEVATION MAP - SHALLOW
SAPROLITE AQUIFER
(Measured May 7 and 8, 2025)
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



DWG: SOUTHER LAND SURVEYING 2017 SURVEY	DATE 06/05/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 3B

ENVIROSOUTH Environmental Consultants

GROUNDWATER ELEVATION MAP - INTERMEDIATE SAPROLITE AQUIFER
(Measured May 7 and 8, 2025)
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



EXPLANATION

MW-01 = SHALLOW AQUIFER MONITORING WELL

MW-04I = INTERMEDIATE AQUIFER MONITORING WELL

RW-1 = RECOVERY WELL

= UST AREA

B = BENZENE
T = ToLUENE
E = ETHYLBENZENE
X = XYLENE
M = METHYL-TERT-BUTYL ETHER
N = NAPHTHALENE
D = 1,2-DIBROMOETHANE
C = 1,2-DICHLOROETHANE

J = ESTIMATED VALUE

BRL = BELOW REPORTING LIMIT

BOLDED VALUES EXCEED SCDES RBSLs

= ESTIMATED EXTENT OF HYDROCARBON CONTAMINATION

= GIS PROPERTY LINE

= FENCE LINE

NOTE 1: Wells MW-5, MW-19, MW-19I, MW-23, and MW-23I are not shown on map because they were previously destroyed or abandoned.

NOTE 2: Monitoring wells MW-1 and MW-24 were not sampled because of the presence of free-phase product. Recovery wells were not sampled based on the Corrective Action Plan schedule.

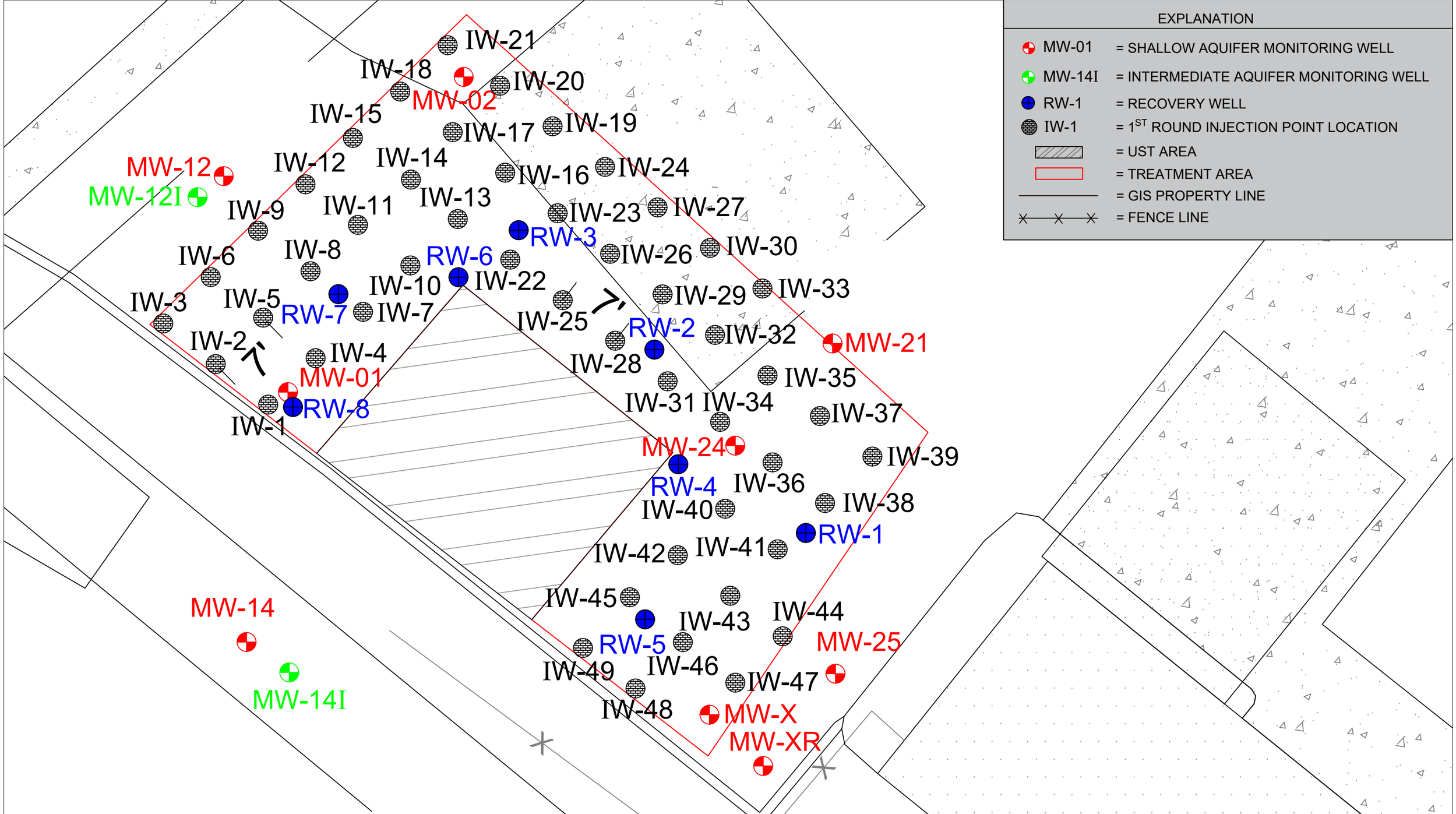
NOTE 3: All groundwater concentrations are reported in micrograms per liter (ug/L).

DWG: SOUTHER LAND SURVEYING 2017 SURVEY	DATE 06/05/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 4

ENVIROSOUTH Environmental Consultants

GROUNDWATER CONCENTRATION MAP
(Sampled May 7 and 8, 2025)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



DWG: CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
	06/20/2025	BD	TFD	AS SHOWN	3570	5

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 1ST ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

TABLES

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-01	01/13/2020 (Pre-AFVR)	1005.32	30.00	15.00 - 30.00	21.59	21.15	0.44	983.40
	8/19/2020				20.10	Sheen	Sheen	985.22
	9/15/2021				25.24	25.21	0.03	980.06
	12/14/2022				27.79	25.44	2.35	975.77
	09/11/2023 (Pre-AFVR)				26.34	24.79	1.55	977.82
	10/16/2023 (Pre-AFVR)				24.94	24.65	0.29	980.16
	11/13/2023				25.51	25.37	0.14	979.71
	5/8/2025				22.30	21.28	1.02	982.26
MW-02	8/19/2020	1006.20	30.00	15.00 - 30.00	20.96	--	--	985.24
	9/16/2021				26.08	--	--	980.12
	12/14/2022				26.34	--	--	979.86
	11/13/2023				26.27	--	--	979.93
	5/8/2025				22.45	--	--	983.75
MW-03	8/19/2020	1008.49	30.00	15.00 - 30.00	22.69	--	--	985.80
	9/15/2021				28.10	--	--	980.39
	12/14/2022				28.90	--	--	979.59
	11/13/2023				28.19	--	--	980.30
	5/7/2025				24.78	--	--	983.71
MW-04	8/19/2020	1008.27	30.49	20.29 - 30.29	22.24	--	--	986.03
	9/16/2021				27.59	--	--	980.68
	12/14/2022				28.35	--	--	979.92
	11/13/2023				27.76	--	--	980.51
	5/8/2025				24.36	--	--	983.91
MW-04I	8/19/2020	1008.12	53.17	47.97 - 52.97	22.73	--	--	985.39
	9/16/2021				27.97	--	--	980.15
	12/14/2022				28.25	--	--	979.87
	11/13/2023				28.09	--	--	980.03
	5/8/2025				24.38	--	--	983.74
MW-05	8/19/2020	997.73	20.80	10.60 - 20.60	13.33	--	--	984.40
	9/15/2021				18.13	--	--	979.60
	12/14/2022				17.74	--	--	979.99
	11/13/2023	DESTROYED						
MW-06	8/19/2020	998.27	21.47	11.27 - 21.27	13.17	--	--	82.93
	9/15/2021				18.05	--	--	85.12
	12/14/2022				17.97	--	--	80.24
	11/13/2023				18.00	--	--	980.27
	5/8/2025	NOT LOCATED						

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-07	8/19/2020	1005.88	31.04	20.84 - 30.84	20.36	--	--	985.52
	9/15/2021				25.36	--	--	980.52
	12/14/2022	Well Obstructed @ 26.04 Feet						
	11/13/2023	Well Obstructed @ 26.04 Feet						
	5/7/2025				21.50	--	--	984.38
MW-08	8/19/2020	1007.43	31.10	20.90 - 30.90	22.13	--	--	985.30
	9/15/2021				27.25	--	--	980.18
	12/14/2022				27.51	--	--	979.92
	11/13/2023				27.40	--	--	980.03
	5/7/2025				23.55	--	--	983.88
MW-09	8/19/2020	1008.55	30.04	19.84 - 29.84	22.03	--	--	986.52
	9/15/2021				27.43	--	--	981.12
	12/14/2022				28.18	--	--	980.37
	11/13/2023				27.15	--	--	981.40
	5/7/2025				24.13	--	--	984.42
MW-10	8/19/2020	1008.22	30.83	20.63 - 30.63	19.66	--	--	988.56
	9/15/2021				26.10	--	--	982.12
	12/14/2022				28.17	--	--	980.05
	11/13/2023				25.88	--	--	982.34
	5/7/2025				23.93	--	--	984.29
MW-11	8/19/2020	1007.84	30.83	20.63 - 30.63	20.34	--	--	987.50
	9/15/2021				26.32	--	--	981.52
	12/14/2022				28.15	--	--	979.69
	11/13/2023				26.23	--	--	981.61
	5/7/2025				23.75	--	--	984.09
MW-12	8/19/2020	1005.35	35.69	25.49 - 35.49	20.39	--	--	984.96
	9/16/2021				24.96	--	--	980.39
	12/14/2022				25.60	--	--	979.75
	11/13/2023				25.60	--	--	979.75
	5/8/2025				21.63	--	--	983.72
MW-12I	8/19/2020	1005.37	45.63	40.43 - 45.43	20.25	--	--	985.12
	9/16/2021				25.47	--	--	979.90
	12/14/2022				25.78	--	--	979.59
	11/13/2023				25.80	--	--	979.57
	5/8/2025				21.67	--	--	983.70
MW-14	8/19/2020	1000.02	25.57	15.37 - 25.37	15.06	--	--	984.96
	9/15/2021				20.13	--	--	979.89
	12/14/2022				20.15	--	--	979.87

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-14	11/13/2023				20.21	--	--	979.81
Continued	5/7/2025				16.31	--	--	983.71
MW-14I	8/19/2020	1000.11	67.92	62.72 - 67.72	15.39	--	--	984.72
	9/15/2021				20.35	--	--	979.76
	12/14/2022				20.41	--	--	979.70
	11/13/2023				20.44	--	--	979.67
	5/7/2025				16.51	--	--	983.60
MW-15	8/19/2020	999.88	26.83	16.63 - 26.63	15.37	--	--	984.51
	9/15/2021				20.24	--	--	979.64
	12/14/2022				20.26	--	--	979.62
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.						
	5/7/2025	NOT LOCATED						
MW-15I	8/19/2020	999.88	26.8	16.63 - 26.63	15.37	--	--	984.51
	9/15/2021				20.28	--	--	979.60
	12/14/2022				20.16	--	--	979.72
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.						
	5/7/2025	NOT LOCATED						
MW-16	8/19/2020	1000.63	27.71	17.51 - 27.52	16.04	--	--	984.59
	9/15/2021				21.08	--	--	979.55
	12/14/2022				21.13	--	--	979.50
	11/13/2023				21.23	--	--	979.40
	5/7/2025	WELL DESTROYED						
MW-16I	8/19/2020	1000.72	65.49	60.29 - 65.29	16.23	--	--	984.49
	9/15/2021				21.16	--	--	979.56
	12/14/2022				21.07	--	--	979.65
	11/13/2023				21.28	--	--	979.44
	5/7/2025				17.21	--	--	983.51
MW-17	8/19/2020	999.85	28.82	18.62 - 28.62	16.26	--	--	983.59
	9/15/2021				20.20	--	--	979.65
	12/14/2022				21.22	--	--	978.63
	11/13/2023				20.65	--	--	979.20
	5/7/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS						
MW-17I	8/19/2020	1000.01	60.41	55.21 - 60.21	15.74	--	--	80.48
	9/15/2021				20.65	--	--	83.21
	12/14/2022				21.68	--	--	78.31
	11/13/2023				20.63	--	--	979.38
	5/7/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS						
MW-18	5/7/2025	1002.78	29.30	19.10 - 29.10	WELL HAS NOT BEEN LOCATED SINCE 2019			
MW-18I	5/7/2025	1001.89	65.47	60.27 - 65.27	WELL HAS NOT BEEN LOCATED SINCE 2019			

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-19	8/19/2020	1008.24	39.69	29.49 - 39.49	23.43	--	--	984.81
	9/15/2021				28.45	--	--	979.79
	12/14/2022				28.33	--	--	979.91
	11/13/2023				28.21	--	--	980.03
	11/20/2023	ABANDONED						
MW-19I	8/19/2020	1008.18	70.68	65.48 - 70.48	23.26	--	--	984.92
	9/15/2021				28.48	--	--	979.70
	12/14/2022				28.47	--	--	979.71
	11/13/2023				28.61	--	--	979.57
	11/20/2023	ABANDONED						
MW-20	8/19/2020	1008.01	40.87	30.67 - 40.67	23.22	--	--	984.79
	9/15/2021				27.67	--	--	980.34
	12/14/2022				28.28	--	--	979.73
	11/13/2023				28.04	--	--	979.97
	5/8/2025				24.45	--	--	983.56
MW-21	8/19/2020	1006.73	35.14	24.94 - 34.94	21.64	--	--	985.09
	9/16/2021				26.71	--	--	980.02
	12/14/2022				26.94	26.91	0.03	979.77
	09/18/2023 (Pre AFVR)				25.24	25.16	0.08	981.43
	10/23/2023 (Pre AFVR)				26.21	26.19	0.02	980.51
	11/13/2023				26.90	--	--	979.83
	5/8/2025				23.05	--	--	983.68
MW-22	8/19/2020	1007.12	35.06	24.86 - 34.86	21.65	--	--	985.47
	9/16/2021				26.82	--	--	980.30
	12/14/2022				27.23	--	--	979.89
	11/13/2023				27.00	--	--	980.12
	5/8/2025				23.29	--	--	983.83
MW-22I	8/19/2020	1007.03	49.72	44.52 - 49.52	22.02	--	--	985.01
	9/16/2021				27.06	--	--	979.97
	12/14/2022				27.17	--	--	979.86
	11/13/2023				27.20	--	--	979.83
	5/8/2025				23.35	--	--	983.68
MW-23	8/19/2020	1008.24	39.87	29.67 - 39.67	23.16	--	--	985.08
	9/15/2021				28.27	--	--	979.97
	12/14/2022				28.52	--	--	979.72
	11/13/2023				28.40	--	--	979.84
	11/20/2023	ABANDONED						

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-23I	8/19/2020	1008.21	61.69	56.49 - 61.49	23.40	--	--	984.81
	9/15/2021				28.41	--	--	979.80
	12/14/2022				28.41	--	--	979.80
	11/13/2023				28.32	--	--	979.89
	11/20/2023	ABANDONED						
MW-24	01/13/2020 (Pre-AFVR)	1006.39	35.25	25.05 - 35.05	23.95	23.14	0.81	981.83
	8/19/2020				21.28	Sheen	Sheen	985.11
	02/08/2021 (Pre-AFVR)				20.74	--	--	985.65
	03/22/2021 (Pre-AFVR)				20.04	--	--	986.35
	9/16/2021				26.40	--	--	979.99
	02/28/2022 (Pre-AFVR)				23.21	22.95	0.26	982.99
	03/28/2022 (Pre-AFVR)				21.98	21.95	0.03	984.39
	12/14/2022				27.51	26.39	1.12	978.04
	09/18/2023 (Pre-AFVR)				27.21	26.82	0.39	978.89
	10/23/2023 (Pre-AFVR)				26.41	26.31	0.10	979.91
	11/13/2023				27.24	26.10	1.14	978.30
	5/8/2025				23.65	22.38	1.27	981.79
MW-25	8/19/2020	1007.27	38.20	28.00 - 38.00	22.45	--	--	984.82
	9/16/2021				27.47	--	--	979.80
	12/14/2022				27.68	--	--	979.59
	11/13/2023				28.17	--	--	979.10
	5/8/2025				23.66	--	--	983.61
MW-26	8/19/2020	1007.33	36.45	26.25 - 36.25	21.78	--	--	985.55
	9/16/2021				26.98	--	--	980.35
	12/14/2022				27.40	--	--	979.93
	11/13/2023				27.15	--	--	980.18
	5/8/2025				23.51	--	--	983.82
MW-26I	8/19/2020	1007.27	55.11	49.91 - 54.91	21.89	--	--	985.38
	9/16/2021				27.11	--	--	980.16
	12/14/2022				27.42	--	--	979.85
	11/13/2023				27.15	--	--	980.12
	5/8/2025				23.60	--	--	983.67
MW-27	8/19/2020	1006.96	34.70	24.50 - 34.50	21.43	--	--	985.53
	9/15/2021				27.19	--	--	979.77

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-27	12/14/2022				27.44	--	--	979.52
Continued	11/13/2023				26.80	--	--	980.16
	5//7/25				23.35	--	--	983.61
MW-27I	8/19/2020	1007.08	65.41	60.21 - 65.21	21.96	--	--	985.12
	9/15/2021	NOT LOCATED						
	12/14/2022				27.44	--	--	979.64
	11/13/2023				27.25	--	--	979.83
	5/7/2025				23.41	--	--	983.67
MW-28	8/19/2020	1006.76	35.91	35.71 - 35.71	21.36	--	--	985.40
	9/15/2021				26.40	--	--	980.36
	12/14/2022				26.61	--	--	980.15
	11/13/2023				26.58	--	--	980.18
	5/7/2025				22.66	--	--	984.10
MW-X	8/19/2020	1007.20	30.27	20.07 - 30.07	22.26	--	--	984.94
	9/16/2021				27.31	--	--	979.89
	12/14/2022				28.05	--	--	979.15
	11/13/2023				27.70	--	--	979.50
	5/8/2025				23.52	--	--	983.68
MW-XR	8/19/2020	1007.31	38.25	28.05 - 38.05	22.45	--	--	984.86
	9/16/2021				27.50	--	--	979.81
	12/14/2022				27.63	--	--	979.68
	11/13/2023				28.14	--	--	979.17
	5/8/2025				23.62	--	--	983.69
RW-01	01/13/2020 (Pre-AFVR)	1006.69	40.69	20.49 - 40.49	24.64	22.45	2.19	980.41
	8/19/2020				21.66	Sheen	Sheen	985.03
	02/08/2021 (Pre-AFVR)				21.13	--	--	985.56
	03/22/2021 (Pre-AFVR)				19.63	--	--	987.06
	9/16/2021				26.71	Sheen	Sheen	979.98
	02/28/2022 (Pre-AFVR)				23.38	23.13	0.25	983.12
	03/28/2022 (Pre-AFVR)				22.38	22.32	0.06	984.27
	12/14/2022				26.85	26.79	0.06	979.80
	09/18/2023 (Pre-AFVR)				25.39	25.37	0.02	981.29
	10/23/2023 (Pre-AFVR)				26.37	26.36	0.01	980.31
	11/13/2023				26.90	26.84	0.06	979.75
	5/8/2025				23.44	22.88	0.56	982.83

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
RW-02	8/19/2020	1006.23	38.08	17.88 - 37.88	21.33	21.18	0.15	984.79
	02/08/2021 (Pre-AFVR)				21.13	20.68	0.45	984.76
	03/22/2021 (Pre-AFVR)				20.04	--	--	986.19
	9/16/2021				26.30	--	--	979.93
	02/28/2022 (Pre-AFVR)				23.94	23.91	0.03	982.27
	03/28/2022 (Pre-AFVR)				21.90	21.89	0.01	984.32
	12/14/2022				26.96	26.31	0.65	978.78
	09/11/2023 (Pre-AFVR)				25.87	25.27	0.60	979.91
	10/16/2023 (Pre-AFVR)				25.68	25.53	0.15	980.44
	11/13/2023				26.65	26.45	0.20	979.43
	5/8/2025				23.55	22.33	1.22	981.77
RW-03	8/19/2020	1005.90	40.00	40.0 - 45.0	20.79	--	--	985.11
	9/16/2021				25.91	--	--	979.99
	12/14/2022				27.19	26.12	1.07	977.91
	09/11/2023 (Pre-AFVR)				24.84	23.94	0.90	980.39
	10/16/2023 (Pre-AFVR)				25.23	25.10	0.13	980.57
	11/13/2023				26.07	--	--	979.83
	5/18/2025				NR	--	--	NR
RW-04	5/18/2025	1006.72	42.00	22.00 - 42.00	NR	--	--	NR
RW-05	5/18/2025	1006.41	42.00	22.00 - 42.00	22.72	22.66	0.06	983.65
RW-06	5/18/2025	1005.69	42.00	22.00 - 42.00	NR	--	--	NR
RW-07	5/18/2025	1005.58	42.00	22.00 - 42.00	21.81	21.78	0.03	983.77
RW-08	5/18/2025	1005.33	42.00	22.00 - 42.00	NR	--	--	NR

Notes:

1) *All units expressed in feet*
2) *Top of casing elevations, data prior to 2025, well depths, and screen intervals obtained from December 2023 Report of AFVR & Groundwater Sampling*
3) *2025 data collected and reported by EnviroSouth, Inc. personnel.*
4) *BTOC = below top of PVC well casing*
5) *NR = Not Recorded*
6) *Water elevations corrected for wells containing free-phase product using the following formula: GW Elevation = TOC Elevation - [depth to water + (free product thickness * 0.75)] where gasoline has an assumed specific gravity of 0.75 g/cm^3,*

EnviroSouth Environmental Consultants

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-01	8/22/2020	**14,000**	**43,400**	**3,050**	**16,400**	<1,240	<836	<0.011	<824
	9/16/2021	NOT SAMPLED - FREE-PHASE PRODUCT							
	12/15/2022	NOT SAMPLED - FREE-PHASE PRODUCT							
	11/13/2023	NOT SAMPLED - FREE-PHASE PRODUCT							
	5/8/2025	NOT SAMPLED - FREE-PHASE PRODUCT							
MW-02	8/22/2020	**209**	4.3 J	<3.7	120	<6.2	<4.2	<0.011	<4.1
Duplicate C	8/22/2020	**233**	10.3	5.8 J	137	<6.2	<4.2	<0.011	<4.1
	9/16/2021	**320**	72	32	200	<2.0	<2.0	<0.0049	<2.0
Duplicate C	9/16/2021	**320**	94	43	250	2.2	1.8	<0.0052	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
Duplicate C	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0082	NS
	12/15/2022	**106**	7.9	4.1 J	30.6	<3.1	<2.1	<0.0076	<2.1
	11/14/2023	**69**	5.7	1.5	15	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	<1.0
MW-03	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0082	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-04	8/20/2020	**13.7**	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/16/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	12/15/2022	**11.8**	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<2.1
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-04I	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/16/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0078	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-5	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	17.6	<3.1	<2.1	<0.0076	<2.1
	11/13/2023	DESTROYED							
MW-6	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/24/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	NOT LOCATED							
MW-7	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0052	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0082	NS
	12/15/2022	WELL OBSTRUCTED @ 26.04							
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-8	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0079	<2.1

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-8	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
Continued	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-9	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0084	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-10	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-11	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-12	8/22/2020	**3,440**	**9,080**	**1,270**	5,860	<155	**110 J**	<0.011	<103
Duplicate	8/22/2020	**3,730**	**8,780**	**1,200**	5,560	<155	**105 J**	<0.011	<103
	9/16/2021	**3,600**	**8,900**	**1,200**	5,900	<40	**200**	<0.50	<40
Duplicate	9/16/2021	**3,400**	**8,300**	**1,200**	5,700	<40	**210**	<0.28	<40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0091	NS
Duplicate	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0089	NS
	12/15/2022	**547**	**1,470**	224	1,140	<31.0	**47.3 J**	<0.0076	<20.6
Duplicate	12/15/2022	**547**	**1,390**	211	1,050	<31.0	**54.8**	<0.0074	<20.6
	11/14/2023	**3,200**	**7,600**	**1,300**	5,400	25	**300**	<0.020	**44**
	5/8/2025	**2,090**	721	**719**	2,830	13.9 J	**172**	<0.019	<20.0
Duplicate 1	5/8/2025	**2,100**	730	**719**	2,850	13.4 J	**168**	<0.020	<20.0
MW-12I	8/22/2020	**1,820**	**5,530**	**871**	3,910	<155	109 J	<0.011	<103
	9/16/2021	**820**	<1,200	470	1,500	<8.0	81	<0.0050	<8.0
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/14/2023	**5.6**	<1.0	6.6	<1.0	<1.0	<5.0	<0.021	<1.0
	5/8/2025	**7.3**	37.4	5.8	57.8	<1.0	18.7	<0.020	<1.0
MW-14	8/19/2020	**278**	49.5	31.4	181	<6.2	<4.2	<0.011	<4.1
	9/15/2021	**180**	17	3.5	98	<0.40	<0.40	<0.050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0077	NS
	12/14/2022	**90.7**	8.2	<1.8	48.8	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	**39**	2.8	<1.0	18	<1.0	<5.0	<0.020	<1.0
	5/7/2025	**6.7**	0.73 J	<1.0	0.74 J	<1.0	<1.0	<0.020	<1.0
MW-14I	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1

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GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-14I	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.021	<1.0
Continued	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-15	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.							
	5/8/2025	NOT LOCATED							
MW-15I	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0082	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.							
	5/8/2025	NOT LOCATED							
MW-16	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	WELL DESTROYED							
MW-16I	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0

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GROUNDWATER LABORATORY DATA
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WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-17	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0082	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS							
MW-17I	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS							
MW-18	5/8/2025	WELL HAS NOT BEEN LOCATED SINCE 2019							
MW-18I	5/8/2025	WELL HAS NOT BEEN LOCATED SINCE 2019							
MW-19	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0076	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	11/20/2023	WELL ABANDONED							
MW-19I	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	0.65	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	3.4 J	<2.1	<0.0073	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	5.0	<5.0	<0.020	<1.0
	11/20/2023	WELL ABANDONED							

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WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-20	8/20/2020	**1,140**	234	232	153	**40.8 J**	22.4 J	<0.011	<20.6
	9/15/2021	**520**	280	160	110	32	20	<0.0049	<8.0
Duplicate A	9/15/2021	**350**	160	130	68	31	20	<0.053	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0084	NS
Duplicate A	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/14/2022	**408**	55.1	165	40.6	34.5	14.4 J	<0.0075	<8.2
	11/14/2023	**120**	5.6	71	2.8	**59**	**34**	<0.020	<1.0
	5/8/2025	**24.4**	2.0 J	13.3	<4.0	38.8	10.7	<0.020	2.3 J
MW-21	8/22/2020	**3,860**	**5,310**	**2,150**	9,260	**817**	**690**	<0.011	<103
	9/16/2021	**4,400**	**9,000**	**2,400**	**11,000**	**1,100**	**730**	**2.2**	<4.0
	12/15/2022	NOT SAMPLED - FREE-PHASE PRODUCT							
	11/14/2023	**2,900**	**3,900**	**1,400**	6,200	**550**	**870**	**0.420**	<1.0
Duplicate	11/14/2023	**3,100**	**4,400**	**1,500**	6,000	**640**	**530**	**0.637**	<1.0
	5/8/2025	**679**	269	212	580	**131**	**183**	<0.019	<5.0
Duplicate 2	5/8/2025	**663**	291	213	611	**127**	**180**	<0.020	2.8 J
MW-22	8/22/2020	4.6 J	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/16/2021	**7.6**	<0.40	<0.40	0.93	<0.40	<0.40	<0.0050	<0.40
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0076	<2.1
	11/14/2023	2.7	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-22I	8/22/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/16/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0048	<0.40
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0

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WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-23	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	9.4	<2.1	<0.0077	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	11/20/2023	ABANDONED							
MW-23I	8/20/2020	**2,670**	52.9 J	<46.0	<125	**273**	<52.2	<0.011	<51.5
	9/15/2021	**5,400**	55	200	<40	**390**	**200**	<0.048	**60**
	12/14/2022	**2,180**	<40.2	276	<100	**516**	**347**	<0.0076	<41.2
	11/14/2013	3.2	<1.0	6.4	<1.0	**230**	<5.0	<0.020	**12**
	11/20/2023	ABANDONED							
MW-24	8/22/2020	**26,300**	**50,700**	**3,910**	**20,000**	**20,600**	<836	**3.4**	<824
	9/16/2021	**24,000**	**48,000**	**3,800**	**21,000**	**11,000**	**980**	**4.7**	<200
	10/11/2021	NS	NS	NS	NS	NS	NS	**2.0**	NS
	12/15/2022	NOT SAMPLED - FREE-PHASE PRODUCT							
	11/13/2023	NOT SAMPLED - FREE-PHASE PRODUCT							
	5/8/2025	NOT SAMPLED - FREE-PHASE PRODUCT							
MW-25	8/22/2020	**703**	163	38.4	327	**79.1**	<10.4	<0.011	<10.3
	9/16/2021	**990**	470	45	320	**130**	8.8	<0.25	<4.0
	12/15/2022	**672**	<10.0	<9.2	32.7	**948**	<10.4	<0.0075	<10.3
	11/14/2023	**920**	1.0	<1.0	43	**1,400**	7.7	<0.019	**16**
	5/8/2025	**995**	120	40.4	162	**2,390**	22.5	<0.019	<20.0
MW-26	8/20/2020	**15.4**	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/16/2021	0.85	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0048	<0.40
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0078	<2.1

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WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-26I	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0049	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0076	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-27	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/13/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0076	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-27I	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	NOT LOCATED							
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-28	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0073	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-X	8/22/2020	**2,880**	**7,500**	571	4,130	**2,580**	**134 J**	<0.011	<103
Duplicate	8/22/2020	**3,220**	**7,440**	550	4,030	**3,270**	**109 J**	<0.012	<103

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-X	9/16/2021	**5,400**	**7,800**	**1,000**	6,600	**4,100**	**200**	**0.057**	<40
Continued	12/15/2022	**3,250**	549	477	3,530	**1,830**	**76.4 J**	<0.0075	<51.5
Duplicate	12/15/2022	**3,220**	506	443	3,380	**1,600**	**64.2 J**	<0.0076	<51.5
	11/14/2023	**4,800**	**1,400**	410	3,700	**2,600**	**73**	0.045	<1.0
Duplicate	11/14/2023	**4,700**	**1,400**	440	3,800	**2,600**	**65**	0.044	**54**
	5/8/2025	**3,660**	**4,240**	621	3,720	**1,310**	**108**	<0.020	<25.0
MW-XR	8/22/2020	**45.6**	5.7	<1.8	50.8	28.9	<2.1	<0.011	<2.1
	9/16/2021	**12**	<0.40	<0.40	3.5	32	<0.40	<0.0050	<0.40
	12/15/2022	**249**	<4.0	<3.7	93.1	29.1	<4.2	<0.0074	<4.1
	11/14/2023	**470**	1.8	<1.0	140	**69**	<5.0	<0.020	**10**
	5/8/2025	2.7	0.65 J	<1.0	55.0	24.6	0.70 J	<0.020	<1.0
MCL/RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**0.05**	**5.0**

Notes:

1) *All units expressed in micrograms per liter (ug/L)*
2) *MCL = South Carolina maximum contaminant level for drinking water, including all groundwaters of the state*
3) *RBSL = South Carolina risk-based screening level for petroleum-impacted sites*
5) *Concentrations shown in bold exceed MCL and/or RBSL*
6) *J = Estimated value*
7) *NS = Not Sampled*
8) *Data collected prior to 2025 was obtained from December 2023 Report of AFVR & Groundwater Sampling. 2025 data was collected and reported by EnviroSouth, Inc. personnel.*

EnviroSouth Environmental Consultants

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-01	8/22/2020	<3,380	<21,600	<1,220	<1,400	<57,600	<9,640	<36,400	<26,200
	9/16/2021	NOT SAMPLED - FREE-PHASE PRODUCT							
	12/15/2022	NOT SAMPLED - FREE-PHASE PRODUCT							
	11/13/2023	NOT SAMPLED - FREE-PHASE PRODUCT							
	5/8/2025	NOT SAMPLED - FREE-PHASE PRODUCT							
MW-02	8/22/2020	<16.9	<108	<6.1	<7.0	<288	<48.2	<182	<131
Duplicate C	8/22/2020	<16.9	<108	<6.1	<7.0	<288	<48.2	<182	132 J
	9/16/2021	<2.0	<40	<2.1	5.1	<260	<10	<40	**310**
Duplicate C	9/16/2021	<0.40	<8.0	0.5	5.6	<52	<2.0	16	**340**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
Duplicate C	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	166
	11/14/2023	<10	<100	<1.0	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	0.52 J	<200	<50.0	<100	<100
MW-03	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-04	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-04I	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<1.0	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-5	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	12/14/2022	<10	<100	<10	<10	<100	<100	<100	<100
	11/13/2023	DESTROYED							
MW-6	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/24/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	NOT LOCATED							
MW-7	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	WELL OBSTRUCTED @ 26.04							
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-8	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-8	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
Continued	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-9	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-10	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-11	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-12	8/22/2020	<423	<2,700	<152	<174	<7,200	<1,200	<4,550	**6,780**
Duplicate	8/22/2020	<423	<2,700	<152	<174	<7,200	<1,200	<4,550	**7,980**
	9/16/2021	<40	<800	<42	49	<5,200	<200	<800	**7,800**
Duplicate	9/16/2021	<40	<800	<42	50	<5,200	<200	<800	**8,600**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
Duplicate	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<84.6	<539	<30.4	<34.9	<1,440	<241	<910	**3,350**
Duplicate	12/15/2022	<84.6	<530	<30.4	<34.9	<1,440	<241	<910	**3,160**
	11/14/2023	<10	<100	<10	50	<100	490	<100	**4,500**
	5/8/2025	<200	<2,000	<200	33.3	<4,000	<1,000	<2,000	**5,300**
Duplicate 1	5/8/2025	<200	<2,000	<200	34.9	<4,000	<1,000	<2,000	**5,370**
MW-12I	8/22/2020	<423	<2,700	<152	<174	<7,200	<1,200	<4,550	<3,280
	9/16/2021	<8.0	<160	<8.4	32	<1,000	<40	<160	**970**
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-14	8/19/2020	<16.9	<108	<6.1	<7.0	<288	<48.2	<182	**1,870**
	9/15/2021	<0.40	<8.0	<0.42	1.7	<52	<2.0	63	**1,000**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	**654**
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	**420**
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	65.0 J
MW-14I	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-14I	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
Continued	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-15	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.							
	5/8/2025	NOT LOCATED							
MW-15I	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.							
	5/8/2025	NOT LOCATED							
MW-16	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	WELL DESTROYED							
MW-16I	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-17	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS							
MW-17I	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS							
MW-18	5/8/2025	WELL HAS NOT BEEN LOCATED SINCE 2019							
MW-18I	5/8/2025	WELL HAS NOT BEEN LOCATED SINCE 2019							
MW-19	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	11/20/2023	WELL ABANDONED							
MW-19I	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	1.6	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	11/20/2023	WELL ABANDONED							

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-20	8/20/2020	<84.5	<539	<30.4	**221**	<1,440	<241	<910	**10,900**
	9/15/2021	<2.0	<40	2.4	**210**	<260	<10	530	**11,000**
Duplicate A	9/15/2021	<2.0	<40	<2.1	**220**	<260	<10	480	**11,000**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
Duplicate A	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<33.8	<216	<12.2	**209**	<576	<96.4	599	**11,800**
	11/14/2023	<10	<100	<10	**220**	<100	540	<100	**13,000**
	5/8/2025	<40.0	<400	<40.0	**192**	<800	<200	427	**10,800**
MW-21	8/22/2020	<423	<2,700	<152	**208 J**	7,200	<1,200	<4,550	**11,500**
	9/16/2021	<40	<800	82	**310**	5,200	<200	1,100	**12,000**
	12/15/2022	NOT SAMPLED - FREE-PHASE PRODUCT							
	11/14/2023	<10	<100	49	**210**	<100	810	<100	**12,000**
Duplicate	11/14/2023	<10	<100	51	**260**	<100	710	<100	**11,000**
	5/8/2025	<50.0	<500	<50.0	73.8	<1,000	<250	168 J	**2,040**
Duplicate 2	5/8/2025	<50.0	<500	<40.0	75.5	<1,000	<250	164 J	**1,960**
MW-22	8/22/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-22I	8/22/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-23	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	9.6	<144	<24.1	<91.0	**302**
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	11/20/2023	ABANDONED							
MW-23I	8/20/2020	<212	<1,350	<76.0	**372**	3,600	<602	<2,280	**9,640**
	9/15/2021	1.4	<8.0	15	**610**	<52	<2.0	940	**19,000**
	12/14/2022	<169	<1,080	61	**687**	<2,880	<482	<1,820	**29,300**
	11/14/2013	<10	<100	13	**220**	<100	640	<100	**11,000**
	11/20/2023	ABANDONED							
MW-24	8/22/2020	<3,380	<21,600	<1,200	**2,160**	94,300	<9,640	<36,400	**46,000**
	9/16/2021	<200	<4,000	**940**	**2,400**	<26,000	<1,000	<4,000	**39,000**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	NOT SAMPLED - FREE-PHASE PRODUCT							
	11/13/2023	NOT SAMPLED - FREE-PHASE PRODUCT							
	5/8/2025	NOT SAMPLED - FREE-PHASE PRODUCT							
MW-25	8/22/2020	703	163	38.4	**327**	79.1	<10.4	<0.011	<10.3
	9/16/2021	990	470	45	**320**	130	8.8	<0.25	<4.0
	12/15/2022	672	<10.0	<9.2	32.7	948	<10.4	<0.0075	<10.3
	11/14/2023	920	1.0	<1.0	43	1,400	7.7	<0.019	16
	5/8/2025	<200	<2,000	<200	27.0	<4,000	<1,000	<2,000	**1,490 J**
MW-26	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-26I	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-27	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/13/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	9.6	<144	<24.1	<91.0	302
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-27I	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	NOT LOCATED							
	12/14/2022	<8.5	<53.9	<3.0	9.6	<144	<24.1	<91.0	302
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-28	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	9.6	<144	<24.1	<91.0	302
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-X	8/22/2020	<423	<2,700	<152	<174	<7,200	<1,200	<4,550	**4,910 J**
Duplicate	8/22/2020	<423	<800	<152	**223 J**	<7,200	<1,200	<4,550	**5,100**

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-X	9/16/2021	<40	<800	100	**290**	<5,200	<200	<800	**5,700**
Continued	12/15/2022	<212	<1,350	<76.0	136	<3,600	<602	<2,280	**4,050**
Duplicate	12/15/2022	<212	<1,350	<76.0	119 J	<3,600	<602	<2,280	**3,500**
	11/14/2023	<10	<100	63	**170**	<100	580	<100	**2,700**
Duplicate	11/14/2023	<10	<100	64	**160**	<100	560	<100	**2,700**
	5/8/2025	<250	<2,500	<250	91.3	<5,000	<1,250	<2,500	**5,320**
MW-XR	8/22/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	**290**
	9/16/2021	<0.40	<8.0	0.67	2.8	<52	<2.0	20.00	130
	12/15/2022	<16.9	<108	<6.1	<7.0	<288	<48.2	<182	**653**
	11/14/2023	<10	<100	<10	<10	<100	120	<100	**1,000**
	5/8/2025	<10.0	<100	<10.0	2.1	<200	<50.0	64.1 J	**657**
SCDES ACTION LEVELS		**47.0**	**--**	**128**	**150**	**10,000**	**--**	**1,400**	**240**

Notes:

1) *All units expressed in micrograms per liter (ug/L)*
2) *Action Levels = South Carolina action levels for groundwater in programmatic QAPP 4.0 Table D2. Action levels were added to the programmatic QAPP in September 2014.*
3) *-- = No action level established*
4) *Concentrations shown in bold exceed Action Level.*
5) *J = Estimated value*
6) *NS = Not Sampled*
7) *Data collected prior to 2025 was obtained from December 2023 Report of AFVR & Groundwater Sampling. 2025 data was collected and reported by EnviroSouth, Inc. personnel.*

EnviroSouth Environmental Consultants

LABORATORY REPORT

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

May 20, 2025

Tom Donn
EnviroSouth, Inc.
3440 Augusta Rd.
Greenville, SC 29605

RE: Project: Westside Quick Stop
Pace Project No.: 92795733

Dear Tom Donn:

Enclosed are the analytical results for sample(s) received by the laboratory on May 09, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Matthew Brainard
matthew.brainard@pacelabs.com
704-977-0942
Project Manager

Enclosures

cc: Beth Dalke, EnviroSouth
Trevor Hudson, Envirosouth
Jennifer Lezcano, EnviroSouth
William Lyons, EnviroSouth
Allen Meadows, EnviroSouth
Keigan Mennetti, EnviroSouth
Annette St. Pierre, Envirosouth

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project:	Westside Quick Stop
Pace Project No.:	92795733

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: Westside Quick Stop
Pace Project No.: 92795733

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92795733001	**MW-02**	Water	05/08/25 13:20	05/09/25 09:50
92795733002	**MW-03**	Water	05/07/25 15:55	05/09/25 09:50
92795733003	**MW-04**	Water	05/08/25 10:25	05/09/25 09:50
92795733004	**MW-04I**	Water	05/08/25 10:00	05/09/25 09:50
92795733005	**MW-07**	Water	05/07/25 11:00	05/09/25 09:50
92795733006	**MW-08**	Water	05/07/25 11:50	05/09/25 09:50
92795733007	**MW-09**	Water	05/07/25 12:25	05/09/25 09:50
92795733008	**MW-10**	Water	05/07/25 10:35	05/09/25 09:50
92795733009	**MW-11**	Water	05/07/25 10:10	05/09/25 09:50
92795733010	**MW-12**	Water	05/08/25 12:55	05/09/25 09:50
92795733011	**MW-12I**	Water	05/08/25 12:30	05/09/25 09:50
92795733012	**MW-14**	Water	05/07/25 13:25	05/09/25 09:50
92795733013	**MW-14I**	Water	05/07/25 13:00	05/09/25 09:50
92795733014	**MW-16I**	Water	05/07/25 15:20	05/09/25 09:50
92795733015	**MW-20**	Water	05/08/25 09:35	05/09/25 09:50
92795733016	**MW-21**	Water	05/08/25 14:00	05/09/25 09:50
92795733017	**MW-22**	Water	05/08/25 11:40	05/09/25 09:50
92795733018	**MW-22I**	Water	05/08/25 12:05	05/09/25 09:50
92795733019	**MW-25**	Water	05/08/25 14:25	05/09/25 09:50
92795733020	**MW-26**	Water	05/08/25 11:15	05/09/25 09:50
92795733021	**MW-26I**	Water	05/08/25 10:50	05/09/25 09:50
92795733022	**MW-27**	Water	05/07/25 09:45	05/09/25 09:50
92795733023	**MW-27I**	Water	05/07/25 09:20	05/09/25 09:50
92795733024	**MW-28**	Water	05/07/25 11:25	05/09/25 09:50
92795733025	**MW-X**	Water	05/08/25 14:50	05/09/25 09:50
92795733026	**MW-XR**	Water	05/08/25 15:15	05/09/25 09:50
92795733027	**Duplicate 1**	Water	05/08/25 00:00	05/09/25 09:50
92795733028	**Duplicate 2**	Water	05/08/25 00:00	05/09/25 09:50
92795733029	**FB-1**	Water	05/07/25 08:45	05/09/25 09:50
92795733030	**FB-2**	Water	05/08/25 09:00	05/09/25 09:50
92795733031	**TB-1**	Water	05/07/25 08:30	05/09/25 09:50
92795733032	**TB-2**	Water	05/08/25 08:30	05/09/25 09:50

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SAMPLE ANALYTE COUNT

Project: Westside Quick Stop
Pace Project No.: 92795733

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92795733001	**MW-02**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733002	**MW-03**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733003	**MW-04**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733004	**MW-04I**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733005	**MW-07**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733006	**MW-08**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733007	**MW-09**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733008	**MW-10**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733009	**MW-11**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733010	**MW-12**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92795733011	**MW-12I**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733012	**MW-14**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733013	**MW-14I**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733014	**MW-16I**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733015	**MW-20**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733016	**MW-21**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92795733017	**MW-22**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733018	**MW-22I**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733019	**MW-25**	EPA 8011	SMS1	2	PASI-C

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Westside Quick Stop
Pace Project No.: 92795733

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260D	LMB	20	PASI-C
92795733020	**MW-26**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733021	**MW-26I**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733022	**MW-27**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733023	**MW-27I**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733024	**MW-28**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733025	**MW-X**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733026	**MW-XR**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733027	**Duplicate 1**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92795733028	**Duplicate 2**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92795733029	**FB-1**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733030	**FB-2**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	LMB	20	PASI-C
92795733031	**TB-1**	EPA 8260D	LMB	20	PASI-C
92795733032	**TB-2**	EPA 8260D	LMB	20	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
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SUMMARY OF DETECTION

Project: Westside Quick Stop
Pace Project No.: 92795733

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92795733001	**MW-02**					
EPA 8260D	Diisopropyl ether	0.52J	ug/L	1.0	05/13/25 00:32	
92795733010	**MW-12**					
EPA 8260D	tert-Amyl Alcohol	5300	ug/L	2000	05/14/25 16:00	
EPA 8260D	Benzene	2090	ug/L	20.0	05/14/25 16:00	
EPA 8260D	Diisopropyl ether	33.3	ug/L	20.0	05/14/25 16:00	
EPA 8260D	Ethylbenzene	719	ug/L	20.0	05/14/25 16:00	
EPA 8260D	Methyl-tert-butyl ether	13.9J	ug/L	20.0	05/14/25 16:00	
EPA 8260D	Naphthalene	172	ug/L	20.0	05/14/25 16:00	
EPA 8260D	Toluene	721	ug/L	20.0	05/14/25 16:00	
EPA 8260D	Xylene (Total)	2830	ug/L	20.0	05/14/25 16:00	
EPA 8260D	m&p-Xylene	2040	ug/L	40.0	05/14/25 16:00	
EPA 8260D	o-Xylene	795	ug/L	20.0	05/14/25 16:00	
92795733011	**MW-12I**					
EPA 8260D	Benzene	7.3	ug/L	1.0	05/13/25 03:50	
EPA 8260D	Ethylbenzene	5.8	ug/L	1.0	05/13/25 03:50	
EPA 8260D	Naphthalene	18.7	ug/L	1.0	05/13/25 03:50	
EPA 8260D	Toluene	37.4	ug/L	1.0	05/13/25 03:50	
EPA 8260D	Xylene (Total)	57.8	ug/L	1.0	05/13/25 03:50	
EPA 8260D	m&p-Xylene	33.4	ug/L	2.0	05/13/25 03:50	
EPA 8260D	o-Xylene	24.4	ug/L	1.0	05/13/25 03:50	
92795733012	**MW-14**					
EPA 8260D	tert-Amyl Alcohol	65.0J	ug/L	100	05/13/25 00:50	
EPA 8260D	Benzene	6.7	ug/L	1.0	05/13/25 00:50	
EPA 8260D	Toluene	0.73J	ug/L	1.0	05/13/25 00:50	
EPA 8260D	Xylene (Total)	0.74J	ug/L	1.0	05/13/25 00:50	
EPA 8260D	o-Xylene	0.74J	ug/L	1.0	05/13/25 00:50	
92795733015	**MW-20**					
EPA 8260D	tert-Amyl Alcohol	10800	ug/L	400	05/13/25 03:35	
EPA 8260D	Benzene	24.4	ug/L	4.0	05/13/25 03:35	
EPA 8260D	tert-Butyl Alcohol	427	ug/L	400	05/13/25 03:35	
EPA 8260D	1,2-Dichloroethane	2.3J	ug/L	4.0	05/13/25 03:35	
EPA 8260D	Diisopropyl ether	192	ug/L	4.0	05/13/25 03:35	
EPA 8260D	Ethylbenzene	13.3	ug/L	4.0	05/13/25 03:35	
EPA 8260D	Methyl-tert-butyl ether	38.8	ug/L	4.0	05/13/25 03:35	
EPA 8260D	Naphthalene	10.7	ug/L	4.0	05/13/25 03:35	
EPA 8260D	Toluene	2.0J	ug/L	4.0	05/13/25 03:35	
92795733016	**MW-21**					
EPA 8260D	tert-Amyl Alcohol	2040	ug/L	500	05/14/25 13:53	
EPA 8260D	Benzene	679	ug/L	5.0	05/14/25 13:53	
EPA 8260D	tert-Butyl Alcohol	168J	ug/L	500	05/14/25 13:53	
EPA 8260D	Diisopropyl ether	73.8	ug/L	5.0	05/14/25 13:53	
EPA 8260D	Ethylbenzene	212	ug/L	5.0	05/14/25 13:53	
EPA 8260D	Methyl-tert-butyl ether	131	ug/L	5.0	05/14/25 13:53	
EPA 8260D	Naphthalene	183	ug/L	5.0	05/14/25 13:53	

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SUMMARY OF DETECTION

Project: Westside Quick Stop
Pace Project No.: 92795733

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92795733016	**MW-21**					
EPA 8260D	Toluene	269	ug/L	5.0	05/14/25 13:53	
EPA 8260D	Xylene (Total)	580	ug/L	5.0	05/14/25 13:53	
EPA 8260D	m&p-Xylene	379	ug/L	10.0	05/14/25 13:53	
EPA 8260D	o-Xylene	200	ug/L	5.0	05/14/25 13:53	
92795733019	**MW-25**					
EPA 8260D	tert-Amyl Alcohol	1490J	ug/L	2000	05/14/25 20:42	
EPA 8260D	Benzene	995	ug/L	20.0	05/14/25 20:42	
EPA 8260D	Diisopropyl ether	27.0	ug/L	20.0	05/14/25 20:42	
EPA 8260D	Ethylbenzene	40.4	ug/L	20.0	05/14/25 20:42	
EPA 8260D	Methyl-tert-butyl ether	2390	ug/L	20.0	05/14/25 20:42	
EPA 8260D	Naphthalene	22.5	ug/L	20.0	05/14/25 20:42	
EPA 8260D	Toluene	120	ug/L	20.0	05/14/25 20:42	
EPA 8260D	Xylene (Total)	162	ug/L	20.0	05/14/25 20:42	
EPA 8260D	m&p-Xylene	114	ug/L	40.0	05/14/25 20:42	
EPA 8260D	o-Xylene	47.4	ug/L	20.0	05/14/25 20:42	
92795733025	**MW-X**					
EPA 8260D	tert-Amyl Alcohol	5320	ug/L	2500	05/13/25 04:12	
EPA 8260D	Benzene	3660	ug/L	25.0	05/13/25 04:12	
EPA 8260D	Diisopropyl ether	91.3	ug/L	25.0	05/13/25 04:12	
EPA 8260D	Ethylbenzene	621	ug/L	25.0	05/13/25 04:12	
EPA 8260D	Methyl-tert-butyl ether	1310	ug/L	25.0	05/13/25 04:12	
EPA 8260D	Naphthalene	108	ug/L	25.0	05/13/25 04:12	
EPA 8260D	Toluene	4240	ug/L	25.0	05/13/25 04:12	
EPA 8260D	Xylene (Total)	3720	ug/L	25.0	05/13/25 04:12	
EPA 8260D	m&p-Xylene	2620	ug/L	50.0	05/13/25 04:12	
EPA 8260D	o-Xylene	1100	ug/L	25.0	05/13/25 04:12	
92795733026	**MW-XR**					
EPA 8260D	tert-Amyl Alcohol	657	ug/L	100	05/13/25 16:42	
EPA 8260D	Benzene	2.7	ug/L	1.0	05/13/25 16:42	
EPA 8260D	tert-Butyl Alcohol	64.1J	ug/L	100	05/13/25 16:42	
EPA 8260D	Diisopropyl ether	2.1	ug/L	1.0	05/13/25 16:42	
EPA 8260D	Methyl-tert-butyl ether	24.6	ug/L	1.0	05/13/25 16:42	
EPA 8260D	Naphthalene	0.70J	ug/L	1.0	05/13/25 16:42	
EPA 8260D	Toluene	0.65J	ug/L	1.0	05/13/25 16:42	
EPA 8260D	Xylene (Total)	55.0	ug/L	1.0	05/13/25 16:42	
EPA 8260D	m&p-Xylene	46.4	ug/L	2.0	05/13/25 16:42	
EPA 8260D	o-Xylene	8.6	ug/L	1.0	05/13/25 16:42	
92795733027	**Duplicate 1**					
EPA 8260D	tert-Amyl Alcohol	5370	ug/L	2000	05/14/25 16:36	
EPA 8260D	Benzene	2100	ug/L	20.0	05/14/25 16:36	
EPA 8260D	Diisopropyl ether	34.9	ug/L	20.0	05/14/25 16:36	
EPA 8260D	Ethylbenzene	719	ug/L	20.0	05/14/25 16:36	
EPA 8260D	Methyl-tert-butyl ether	13.4J	ug/L	20.0	05/14/25 16:36	
EPA 8260D	Naphthalene	168	ug/L	20.0	05/14/25 16:36	
EPA 8260D	Toluene	730	ug/L	20.0	05/14/25 16:36	

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SUMMARY OF DETECTION

Project: Westside Quick Stop
Pace Project No.: 92795733

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92795733027	**Duplicate 1**					
EPA 8260D	Xylene (Total)	2850	ug/L	20.0	05/14/25 16:36	
EPA 8260D	m&p-Xylene	2050	ug/L	40.0	05/14/25 16:36	
EPA 8260D	o-Xylene	794	ug/L	20.0	05/14/25 16:36	
92795733028	**Duplicate 2**					
EPA 8260D	tert-Amyl Alcohol	1960	ug/L	500	05/14/25 14:30	
EPA 8260D	Benzene	663	ug/L	5.0	05/14/25 14:30	
EPA 8260D	tert-Butyl Alcohol	164J	ug/L	500	05/14/25 14:30	
EPA 8260D	1,2-Dichloroethane	2.8J	ug/L	5.0	05/14/25 14:30	
EPA 8260D	Diisopropyl ether	75.5	ug/L	5.0	05/14/25 14:30	
EPA 8260D	Ethylbenzene	213	ug/L	5.0	05/14/25 14:30	
EPA 8260D	Methyl-tert-butyl ether	127	ug/L	5.0	05/14/25 14:30	
EPA 8260D	Naphthalene	180	ug/L	5.0	05/14/25 14:30	
EPA 8260D	Toluene	291	ug/L	5.0	05/14/25 14:30	
EPA 8260D	Xylene (Total)	611	ug/L	5.0	05/14/25 14:30	
EPA 8260D	m&p-Xylene	399	ug/L	10.0	05/14/25 14:30	
EPA 8260D	o-Xylene	212	ug/L	5.0	05/14/25 14:30	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-02 **Lab ID: 92795733001** Collected: 05/08/25 13:20 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0078	1	05/19/25 07:47	05/19/25 12:20	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		1	05/19/25 07:47	05/19/25 12:20	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 00:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 00:32	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 00:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 00:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 00:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 00:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 00:32	107-06-2	
Diisopropyl ether	**0.52J**	ug/L	1.0	0.31	1		05/13/25 00:32	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 00:32	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 00:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 00:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 00:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 00:32	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 00:32	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 00:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 00:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 00:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/13/25 00:32	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		05/13/25 00:32	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 00:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-03 **Lab ID: 92795733002** Collected: 05/07/25 15:55 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 12:43	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	112	%	60-140		1	05/19/25 07:47	05/19/25 12:43	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 18:43	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 18:43	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 18:43	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 18:43	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 18:43	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 18:43	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 18:43	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 18:43	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 18:43	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 18:43	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 18:43	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 18:43	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 18:43	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 18:43	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 18:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 18:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 18:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/12/25 18:43	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		05/12/25 18:43	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		05/12/25 18:43	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-04 **Lab ID: 92795733003** Collected: 05/08/25 10:25 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	05/19/25 07:47	05/19/25 13:17	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	05/19/25 07:47	05/19/25 13:17	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 23:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 23:00	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 23:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 23:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 23:00	75-65-0	v3
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 23:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 23:00	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 23:00	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 23:00	64-17-5	v3
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 23:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 23:00	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 23:00	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 23:00	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 23:00	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 23:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 23:00	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 23:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/12/25 23:00	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/12/25 23:00	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		05/12/25 23:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-04I **Lab ID: 92795733004** Collected: 05/08/25 10:00 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	05/19/25 07:47	05/19/25 13:29	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	05/19/25 07:47	05/19/25 13:29	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 19:01	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 19:01	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 19:01	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 19:01	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 19:01	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 19:01	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 19:01	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 19:01	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 19:01	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 19:01	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 19:01	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 19:01	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 19:01	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 19:01	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 19:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 19:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 19:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/12/25 19:01	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		1		05/12/25 19:01	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		05/12/25 19:01	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-07 **Lab ID: 92795733005** Collected: 05/07/25 11:00 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 13:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	107	%	60-140		1	05/19/25 07:47	05/19/25 13:40	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 19:20	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 19:20	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 19:20	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 19:20	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 19:20	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 19:20	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 19:20	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 19:20	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 19:20	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 19:20	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 19:20	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 19:20	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 19:20	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 19:20	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 19:20	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 19:20	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 19:20	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/12/25 19:20	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		1		05/12/25 19:20	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		05/12/25 19:20	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-08 **Lab ID: 92795733006** Collected: 05/07/25 11:50 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 13:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	05/19/25 07:47	05/19/25 13:51	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 19:38	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 19:38	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 19:38	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 19:38	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 19:38	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 19:38	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 19:38	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 19:38	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 19:38	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 19:38	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 19:38	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 19:38	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 19:38	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 19:38	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 19:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 19:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 19:38	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/12/25 19:38	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		1		05/12/25 19:38	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/12/25 19:38	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-09 **Lab ID: 92795733007** Collected: 05/07/25 12:25 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	05/19/25 07:47	05/19/25 14:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	106	%	60-140		1	05/19/25 07:47	05/19/25 14:03	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 19:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 19:56	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 19:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 19:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 19:56	75-65-0	v3
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 19:56	762-75-4	R1
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 19:56	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 19:56	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 19:56	64-17-5	v3
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 19:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 19:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 19:56	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 19:56	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 19:56	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 19:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 19:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 19:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/12/25 19:56	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		05/12/25 19:56	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		05/12/25 19:56	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-10 **Lab ID: 92795733008** Collected: 05/07/25 10:35 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	05/19/25 07:47	05/19/25 14:14	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	109	%	60-140		1	05/19/25 07:47	05/19/25 14:14	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 03:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 03:14	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 03:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 03:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 03:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 03:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 03:14	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 03:14	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 03:14	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 03:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 03:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 03:14	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 03:14	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 03:14	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 03:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 03:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 03:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/13/25 03:14	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/13/25 03:14	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 03:14	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-11 **Lab ID: 92795733009** Collected: 05/07/25 10:10 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	05/19/25 07:47	05/19/25 14:26	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	110	%	60-140		1	05/19/25 07:47	05/19/25 14:26	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 03:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 03:32	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 03:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 03:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 03:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 03:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 03:32	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 03:32	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 03:32	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 03:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 03:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 03:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 03:32	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 03:32	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 03:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 03:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 03:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		05/13/25 03:32	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/13/25 03:32	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 03:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-12 **Lab ID: 92795733010** Collected: 05/08/25 12:55 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	05/19/25 07:47	05/19/25 14:37	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	126	%	60-140		1	05/19/25 07:47	05/19/25 14:37	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**5300**	ug/L	2000	728	20		05/14/25 16:00	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	53.2	20		05/14/25 16:00	994-05-8	
Benzene	**2090**	ug/L	20.0	6.9	20		05/14/25 16:00	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1040	20		05/14/25 16:00	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	536	20		05/14/25 16:00	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	588	20		05/14/25 16:00	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	6.4	20		05/14/25 16:00	107-06-2	
Diisopropyl ether	**33.3**	ug/L	20.0	6.2	20		05/14/25 16:00	108-20-3	
Ethanol	ND	ug/L	4000	1440	20		05/14/25 16:00	64-17-5	
Ethylbenzene	**719**	ug/L	20.0	6.1	20		05/14/25 16:00	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	64.8	20		05/14/25 16:00	637-92-3	
Methyl-tert-butyl ether	**13.9J**	ug/L	20.0	8.4	20		05/14/25 16:00	1634-04-4	
Naphthalene	**172**	ug/L	20.0	12.9	20		05/14/25 16:00	91-20-3	
Toluene	**721**	ug/L	20.0	9.7	20		05/14/25 16:00	108-88-3	
Xylene (Total)	**2830**	ug/L	20.0	6.8	20		05/14/25 16:00	1330-20-7	
m&p-Xylene	**2040**	ug/L	40.0	14.2	20		05/14/25 16:00	179601-23-1	
o-Xylene	**795**	ug/L	20.0	6.8	20		05/14/25 16:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		20		05/14/25 16:00	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	70-130		20		05/14/25 16:00	17060-07-0	
Toluene-d8 (S)	100	%	70-130		20		05/14/25 16:00	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-12I **Lab ID: 92795733011** Collected: 05/08/25 12:30 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	05/19/25 07:47	05/19/25 14:48	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	05/19/25 07:47	05/19/25 14:48	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 03:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 03:50	994-05-8	
Benzene	**7.3**	ug/L	1.0	0.34	1		05/13/25 03:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 03:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 03:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 03:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 03:50	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 03:50	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 03:50	64-17-5	
Ethylbenzene	**5.8**	ug/L	1.0	0.30	1		05/13/25 03:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 03:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 03:50	1634-04-4	
Naphthalene	**18.7**	ug/L	1.0	0.64	1		05/13/25 03:50	91-20-3	
Toluene	**37.4**	ug/L	1.0	0.48	1		05/13/25 03:50	108-88-3	
Xylene (Total)	**57.8**	ug/L	1.0	0.34	1		05/13/25 03:50	1330-20-7	
m&p-Xylene	**33.4**	ug/L	2.0	0.71	1		05/13/25 03:50	179601-23-1	
o-Xylene	**24.4**	ug/L	1.0	0.34	1		05/13/25 03:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/13/25 03:50	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/13/25 03:50	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		05/13/25 03:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-14 **Lab ID: 92795733012** Collected: 05/07/25 13:25 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	05/19/25 07:47	05/19/25 15:00	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	05/19/25 07:47	05/19/25 15:00	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**65.0J**	ug/L	100	36.4	1		05/13/25 00:50	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 00:50	994-05-8	
Benzene	**6.7**	ug/L	1.0	0.34	1		05/13/25 00:50	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 00:50	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 00:50	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 00:50	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 00:50	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 00:50	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 00:50	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 00:50	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 00:50	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 00:50	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 00:50	91-20-3	
Toluene	**0.73J**	ug/L	1.0	0.48	1		05/13/25 00:50	108-88-3	
Xylene (Total)	**0.74J**	ug/L	1.0	0.34	1		05/13/25 00:50	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 00:50	179601-23-1	
o-Xylene	**0.74J**	ug/L	1.0	0.34	1		05/13/25 00:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/13/25 00:50	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		05/13/25 00:50	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 00:50	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-14I **Lab ID: 92795733013** Collected: 05/07/25 13:00 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	05/19/25 07:47	05/19/25 15:11	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	05/19/25 07:47	05/19/25 15:11	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 04:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 04:08	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 04:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 04:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 04:08	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 04:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 04:08	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 04:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 04:08	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 04:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 04:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 04:08	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 04:08	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 04:08	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 04:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 04:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 04:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		05/13/25 04:08	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/13/25 04:08	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 04:08	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-16I **Lab ID: 92795733014** Collected: 05/07/25 15:20 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 15:23	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	05/19/25 07:47	05/19/25 15:23	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 04:27	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 04:27	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 04:27	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 04:27	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 04:27	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 04:27	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 04:27	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 04:27	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 04:27	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 04:27	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 04:27	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 04:27	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 04:27	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 04:27	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 04:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 04:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 04:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/13/25 04:27	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/13/25 04:27	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 04:27	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-20 **Lab ID: 92795733015** Collected: 05/08/25 09:35 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 15:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	05/19/25 07:47	05/19/25 15:57	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**10800**	ug/L	400	146	4		05/13/25 03:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	40.0	10.6	4		05/13/25 03:35	994-05-8	
Benzene	**24.4**	ug/L	4.0	1.4	4		05/13/25 03:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	400	208	4		05/13/25 03:35	624-95-3	
tert-Butyl Alcohol	**427**	ug/L	400	107	4		05/13/25 03:35	75-65-0	
tert-Butyl Formate	ND	ug/L	200	118	4		05/13/25 03:35	762-75-4	
1,2-Dichloroethane	**2.3J**	ug/L	4.0	1.3	4		05/13/25 03:35	107-06-2	
Diisopropyl ether	**192**	ug/L	4.0	1.2	4		05/13/25 03:35	108-20-3	
Ethanol	ND	ug/L	800	289	4		05/13/25 03:35	64-17-5	
Ethylbenzene	**13.3**	ug/L	4.0	1.2	4		05/13/25 03:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	40.0	13.0	4		05/13/25 03:35	637-92-3	
Methyl-tert-butyl ether	**38.8**	ug/L	4.0	1.7	4		05/13/25 03:35	1634-04-4	
Naphthalene	**10.7**	ug/L	4.0	2.6	4		05/13/25 03:35	91-20-3	
Toluene	**2.0J**	ug/L	4.0	1.9	4		05/13/25 03:35	108-88-3	
Xylene (Total)	ND	ug/L	4.0	1.4	4		05/13/25 03:35	1330-20-7	
m&p-Xylene	ND	ug/L	8.0	2.8	4		05/13/25 03:35	179601-23-1	
o-Xylene	ND	ug/L	4.0	1.4	4		05/13/25 03:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		4		05/13/25 03:35	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		4		05/13/25 03:35	17060-07-0	
Toluene-d8 (S)	100	%	70-130		4		05/13/25 03:35	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-21 **Lab ID: 92795733016** Collected: 05/08/25 14:00 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0073	1	05/19/25 07:47	05/19/25 15:34	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	118	%	60-140		1	05/19/25 07:47	05/19/25 15:34	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**2040**	ug/L	500	182	5		05/14/25 13:53	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		05/14/25 13:53	994-05-8	
Benzene	**679**	ug/L	5.0	1.7	5		05/14/25 13:53	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		05/14/25 13:53	624-95-3	
tert-Butyl Alcohol	**168J**	ug/L	500	134	5		05/14/25 13:53	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		05/14/25 13:53	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		05/14/25 13:53	107-06-2	
Diisopropyl ether	**73.8**	ug/L	5.0	1.5	5		05/14/25 13:53	108-20-3	
Ethanol	ND	ug/L	1000	361	5		05/14/25 13:53	64-17-5	
Ethylbenzene	**212**	ug/L	5.0	1.5	5		05/14/25 13:53	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	16.2	5		05/14/25 13:53	637-92-3	
Methyl-tert-butyl ether	**131**	ug/L	5.0	2.1	5		05/14/25 13:53	1634-04-4	
Naphthalene	**183**	ug/L	5.0	3.2	5		05/14/25 13:53	91-20-3	
Toluene	**269**	ug/L	5.0	2.4	5		05/14/25 13:53	108-88-3	
Xylene (Total)	**580**	ug/L	5.0	1.7	5		05/14/25 13:53	1330-20-7	
m&p-Xylene	**379**	ug/L	10.0	3.5	5		05/14/25 13:53	179601-23-1	
o-Xylene	**200**	ug/L	5.0	1.7	5		05/14/25 13:53	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		5		05/14/25 13:53	460-00-4	
1,2-Dichloroethane-d4 (S)	117	%	70-130		5		05/14/25 13:53	17060-07-0	
Toluene-d8 (S)	98	%	70-130		5		05/14/25 13:53	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-22 **Lab ID: 92795733017** Collected: 05/08/25 11:40 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 15:57	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	05/19/25 07:47	05/19/25 15:57	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 04:45	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 04:45	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 04:45	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 04:45	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 04:45	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 04:45	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 04:45	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 04:45	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 04:45	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 04:45	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 04:45	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 04:45	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 04:45	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 04:45	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 04:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 04:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 04:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/13/25 04:45	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		05/13/25 04:45	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 04:45	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-22I **Lab ID: 92795733018** Collected: 05/08/25 12:05 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 16:08	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	105	%	60-140		1	05/19/25 07:47	05/19/25 16:08	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 05:03	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 05:03	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 05:03	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 05:03	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 05:03	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 05:03	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 05:03	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 05:03	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 05:03	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 05:03	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 05:03	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 05:03	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 05:03	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 05:03	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 05:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 05:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 05:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/13/25 05:03	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		05/13/25 05:03	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		05/13/25 05:03	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-25 **Lab ID: 92795733019** Collected: 05/08/25 14:25 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0070	1	05/19/25 07:47	05/19/25 16:20	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	05/19/25 07:47	05/19/25 16:20	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**1490J**	ug/L	2000	728	20		05/14/25 20:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	53.2	20		05/14/25 20:42	994-05-8	
Benzene	**995**	ug/L	20.0	6.9	20		05/14/25 20:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1040	20		05/14/25 20:42	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	536	20		05/14/25 20:42	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	588	20		05/14/25 20:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	6.4	20		05/14/25 20:42	107-06-2	
Diisopropyl ether	**27.0**	ug/L	20.0	6.2	20		05/14/25 20:42	108-20-3	
Ethanol	ND	ug/L	4000	1440	20		05/14/25 20:42	64-17-5	
Ethylbenzene	**40.4**	ug/L	20.0	6.1	20		05/14/25 20:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	64.8	20		05/14/25 20:42	637-92-3	
Methyl-tert-butyl ether	**2390**	ug/L	20.0	8.4	20		05/14/25 20:42	1634-04-4	
Naphthalene	**22.5**	ug/L	20.0	12.9	20		05/14/25 20:42	91-20-3	
Toluene	**120**	ug/L	20.0	9.7	20		05/14/25 20:42	108-88-3	
Xylene (Total)	**162**	ug/L	20.0	6.8	20		05/14/25 20:42	1330-20-7	
m&p-Xylene	**114**	ug/L	40.0	14.2	20		05/14/25 20:42	179601-23-1	
o-Xylene	**47.4**	ug/L	20.0	6.8	20		05/14/25 20:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		20		05/14/25 20:42	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		20		05/14/25 20:42	17060-07-0	
Toluene-d8 (S)	99	%	70-130		20		05/14/25 20:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-26 **Lab ID: 92795733020** Collected: 05/08/25 11:15 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0076	1	05/19/25 07:47	05/19/25 16:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	05/19/25 07:47	05/19/25 16:31	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 05:21	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 05:21	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 05:21	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 05:21	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 05:21	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 05:21	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 05:21	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 05:21	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 05:21	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 05:21	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 05:21	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 05:21	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 05:21	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 05:21	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 05:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 05:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 05:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		05/13/25 05:21	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/13/25 05:21	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 05:21	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-26I **Lab ID: 92795733021** Collected: 05/08/25 10:50 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0071	1	05/19/25 07:47	05/19/25 17:28	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	100	%	60-140		1	05/19/25 07:47	05/19/25 17:28	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 05:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 05:39	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 05:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 05:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 05:39	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 05:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 05:39	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 05:39	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 05:39	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 05:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 05:39	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 05:39	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 05:39	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 05:39	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 05:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 05:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 05:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	94	%	70-130		1		05/13/25 05:39	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		05/13/25 05:39	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 05:39	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-27 **Lab ID: 92795733022** Collected: 05/07/25 09:45 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.019	0.0072	1	05/19/25 07:47	05/19/25 17:40	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	101	%	60-140		1	05/19/25 07:47	05/19/25 17:40	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 05:57	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 05:57	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 05:57	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 05:57	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 05:57	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 05:57	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 05:57	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 05:57	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 05:57	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 05:57	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 05:57	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 05:57	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 05:57	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 05:57	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 05:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 05:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 05:57	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/13/25 05:57	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/13/25 05:57	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 05:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-27I **Lab ID: 92795733023** Collected: 05/07/25 09:20 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0076	1	05/19/25 07:47	05/19/25 17:51	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	103	%	60-140		1	05/19/25 07:47	05/19/25 17:51	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 06:16	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 06:16	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 06:16	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 06:16	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 06:16	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 06:16	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 06:16	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 06:16	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 06:16	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 06:16	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 06:16	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 06:16	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 06:16	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 06:16	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 06:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 06:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 06:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/13/25 06:16	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		05/13/25 06:16	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 06:16	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-28 **Lab ID: 92795733024** Collected: 05/07/25 11:25 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	05/19/25 07:47	05/19/25 18:02	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	05/19/25 07:47	05/19/25 18:02	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/13/25 06:34	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 06:34	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/13/25 06:34	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 06:34	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/13/25 06:34	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 06:34	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 06:34	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/13/25 06:34	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 06:34	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 06:34	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 06:34	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/13/25 06:34	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/13/25 06:34	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/13/25 06:34	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/13/25 06:34	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/13/25 06:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/13/25 06:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/13/25 06:34	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/13/25 06:34	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		05/13/25 06:34	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-X **Lab ID: 92795733025** Collected: 05/08/25 14:50 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 18:14	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	117	%	60-140		1	05/19/25 07:47	05/19/25 18:14	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**5320**	ug/L	2500	910	25		05/13/25 04:12	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	66.5	25		05/13/25 04:12	994-05-8	
Benzene	**3660**	ug/L	25.0	8.6	25		05/13/25 04:12	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1300	25		05/13/25 04:12	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	670	25		05/13/25 04:12	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	735	25		05/13/25 04:12	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		05/13/25 04:12	107-06-2	
Diisopropyl ether	**91.3**	ug/L	25.0	7.7	25		05/13/25 04:12	108-20-3	
Ethanol	ND	ug/L	5000	1800	25		05/13/25 04:12	64-17-5	
Ethylbenzene	**621**	ug/L	25.0	7.6	25		05/13/25 04:12	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	81.0	25		05/13/25 04:12	637-92-3	
Methyl-tert-butyl ether	**1310**	ug/L	25.0	10.6	25		05/13/25 04:12	1634-04-4	
Naphthalene	**108**	ug/L	25.0	16.1	25		05/13/25 04:12	91-20-3	
Toluene	**4240**	ug/L	25.0	12.1	25		05/13/25 04:12	108-88-3	
Xylene (Total)	**3720**	ug/L	25.0	8.4	25		05/13/25 04:12	1330-20-7	
m&p-Xylene	**2620**	ug/L	50.0	17.7	25		05/13/25 04:12	179601-23-1	
o-Xylene	**1100**	ug/L	25.0	8.4	25		05/13/25 04:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		25		05/13/25 04:12	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		25		05/13/25 04:12	17060-07-0	
Toluene-d8 (S)	98	%	70-130		25		05/13/25 04:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: MW-XR **Lab ID: 92795733026** Collected: 05/08/25 15:15 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	05/19/25 07:47	05/19/25 19:04	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	05/19/25 07:47	05/19/25 19:04	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**657**	ug/L	100	36.4	1		05/13/25 16:42	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/13/25 16:42	994-05-8	
Benzene	**2.7**	ug/L	1.0	0.34	1		05/13/25 16:42	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/13/25 16:42	624-95-3	
tert-Butyl Alcohol	**64.1J**	ug/L	100	26.8	1		05/13/25 16:42	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/13/25 16:42	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/13/25 16:42	107-06-2	
Diisopropyl ether	**2.1**	ug/L	1.0	0.31	1		05/13/25 16:42	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/13/25 16:42	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/13/25 16:42	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/13/25 16:42	637-92-3	
Methyl-tert-butyl ether	**24.6**	ug/L	1.0	0.42	1		05/13/25 16:42	1634-04-4	
Naphthalene	**0.70J**	ug/L	1.0	0.64	1		05/13/25 16:42	91-20-3	
Toluene	**0.65J**	ug/L	1.0	0.48	1		05/13/25 16:42	108-88-3	
Xylene (Total)	**55.0**	ug/L	1.0	0.34	1		05/13/25 16:42	1330-20-7	
m&p-Xylene	**46.4**	ug/L	2.0	0.71	1		05/13/25 16:42	179601-23-1	
o-Xylene	**8.6**	ug/L	1.0	0.34	1		05/13/25 16:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		05/13/25 16:42	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		05/13/25 16:42	17060-07-0	
Toluene-d8 (S)	106	%	70-130		1		05/13/25 16:42	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: Duplicate 1 **Lab ID: 92795733027** Collected: 05/08/25 00:00 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0073	1	05/19/25 07:47	05/19/25 19:15	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	121	%	60-140		1	05/19/25 07:47	05/19/25 19:15	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**5370**	ug/L	2000	728	20		05/14/25 16:36	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	53.2	20		05/14/25 16:36	994-05-8	
Benzene	**2100**	ug/L	20.0	6.9	20		05/14/25 16:36	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1040	20		05/14/25 16:36	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	536	20		05/14/25 16:36	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	588	20		05/14/25 16:36	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	6.4	20		05/14/25 16:36	107-06-2	
Diisopropyl ether	**34.9**	ug/L	20.0	6.2	20		05/14/25 16:36	108-20-3	
Ethanol	ND	ug/L	4000	1440	20		05/14/25 16:36	64-17-5	
Ethylbenzene	**719**	ug/L	20.0	6.1	20		05/14/25 16:36	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	64.8	20		05/14/25 16:36	637-92-3	
Methyl-tert-butyl ether	**13.4J**	ug/L	20.0	8.4	20		05/14/25 16:36	1634-04-4	
Naphthalene	**168**	ug/L	20.0	12.9	20		05/14/25 16:36	91-20-3	
Toluene	**730**	ug/L	20.0	9.7	20		05/14/25 16:36	108-88-3	
Xylene (Total)	**2850**	ug/L	20.0	6.8	20		05/14/25 16:36	1330-20-7	
m&p-Xylene	**2050**	ug/L	40.0	14.2	20		05/14/25 16:36	179601-23-1	
o-Xylene	**794**	ug/L	20.0	6.8	20		05/14/25 16:36	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		20		05/14/25 16:36	460-00-4	
1,2-Dichloroethane-d4 (S)	113	%	70-130		20		05/14/25 16:36	17060-07-0	
Toluene-d8 (S)	100	%	70-130		20		05/14/25 16:36	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: Duplicate 2 **Lab ID: 92795733028** Collected: 05/08/25 00:00 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0075	1	05/19/25 07:47	05/19/25 19:26	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	92	%	60-140		1	05/19/25 07:47	05/19/25 19:26	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**1960**	ug/L	500	182	5		05/14/25 14:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		05/14/25 14:30	994-05-8	
Benzene	**663**	ug/L	5.0	1.7	5		05/14/25 14:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		05/14/25 14:30	624-95-3	
tert-Butyl Alcohol	**164J**	ug/L	500	134	5		05/14/25 14:30	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		05/14/25 14:30	762-75-4	
1,2-Dichloroethane	**2.8J**	ug/L	5.0	1.6	5		05/14/25 14:30	107-06-2	
Diisopropyl ether	**75.5**	ug/L	5.0	1.5	5		05/14/25 14:30	108-20-3	
Ethanol	ND	ug/L	1000	361	5		05/14/25 14:30	64-17-5	
Ethylbenzene	**213**	ug/L	5.0	1.5	5		05/14/25 14:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	16.2	5		05/14/25 14:30	637-92-3	
Methyl-tert-butyl ether	**127**	ug/L	5.0	2.1	5		05/14/25 14:30	1634-04-4	
Naphthalene	**180**	ug/L	5.0	3.2	5		05/14/25 14:30	91-20-3	
Toluene	**291**	ug/L	5.0	2.4	5		05/14/25 14:30	108-88-3	
Xylene (Total)	**611**	ug/L	5.0	1.7	5		05/14/25 14:30	1330-20-7	
m&p-Xylene	**399**	ug/L	10.0	3.5	5		05/14/25 14:30	179601-23-1	
o-Xylene	**212**	ug/L	5.0	1.7	5		05/14/25 14:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		5		05/14/25 14:30	460-00-4	
1,2-Dichloroethane-d4 (S)	116	%	70-130		5		05/14/25 14:30	17060-07-0	
Toluene-d8 (S)	99	%	70-130		5		05/14/25 14:30	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: FB-1 **Lab ID: 92795733029** Collected: 05/07/25 08:45 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 19:38	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	102	%	60-140		1	05/19/25 07:47	05/19/25 19:38	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 12:31	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 12:31	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 12:31	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 12:31	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 12:31	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 12:31	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 12:31	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 12:31	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 12:31	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 12:31	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 12:31	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 12:31	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 12:31	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 12:31	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 12:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 12:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 12:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/12/25 12:31	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		05/12/25 12:31	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		05/12/25 12:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: FB-2 **Lab ID: 92795733030** Collected: 05/08/25 09:00 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0074	1	05/19/25 07:47	05/19/25 19:49	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	05/19/25 07:47	05/19/25 19:49	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 12:49	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 12:49	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 12:49	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 12:49	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 12:49	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 12:49	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 12:49	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 12:49	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 12:49	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 12:49	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 12:49	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 12:49	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 12:49	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 12:49	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 12:49	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 12:49	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 12:49	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		05/12/25 12:49	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		05/12/25 12:49	17060-07-0	
Toluene-d8 (S)	103	%	70-130		1		05/12/25 12:49	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: TB-1 **Lab ID: 92795733031** Collected: 05/07/25 08:30 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 13:08	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 13:08	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 13:08	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 13:08	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 13:08	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 13:08	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 13:08	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 13:08	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 13:08	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 13:08	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 13:08	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 13:08	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 13:08	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 13:08	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 13:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 13:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 13:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/12/25 13:08	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		05/12/25 13:08	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		05/12/25 13:08	2037-26-5	

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ANALYTICAL RESULTS

Project: Westside Quick Stop
Pace Project No.: 92795733

Sample: TB-2 **Lab ID: 92795733032** Collected: 05/08/25 08:30 Received: 05/09/25 09:50 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		05/12/25 13:26	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		05/12/25 13:26	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		05/12/25 13:26	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		05/12/25 13:26	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		05/12/25 13:26	75-65-0	v2
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		05/12/25 13:26	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		05/12/25 13:26	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		05/12/25 13:26	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		05/12/25 13:26	64-17-5	v2
Ethylbenzene	ND	ug/L	1.0	0.30	1		05/12/25 13:26	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		05/12/25 13:26	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		05/12/25 13:26	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		05/12/25 13:26	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		05/12/25 13:26	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		05/12/25 13:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		05/12/25 13:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		05/12/25 13:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/12/25 13:26	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		05/12/25 13:26	17060-07-0	
Toluene-d8 (S)	102	%	70-130		1		05/12/25 13:26	2037-26-5	

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 934636
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92795733008, 92795733009, 92795733011, 92795733013, 92795733014, 92795733017

METHOD BLANK: 4803004
Matrix: Water
Associated Lab Samples: 92795733008, 92795733009, 92795733011, 92795733013, 92795733014, 92795733017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/12/25 22:24	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/12/25 22:24	
Benzene	ug/L	ND	1.0	0.34	05/12/25 22:24	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/12/25 22:24	
Ethanol	ug/L	ND	200	72.2	05/12/25 22:24	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/12/25 22:24	
Ethylbenzene	ug/L	ND	1.0	0.30	05/12/25 22:24	
m&p-Xylene	ug/L	ND	2.0	0.71	05/12/25 22:24	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/12/25 22:24	
Naphthalene	ug/L	ND	1.0	0.64	05/12/25 22:24	
o-Xylene	ug/L	ND	1.0	0.34	05/12/25 22:24	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/12/25 22:24	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/12/25 22:24	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/12/25 22:24	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/12/25 22:24	
Toluene	ug/L	ND	1.0	0.48	05/12/25 22:24	
Xylene (Total)	ug/L	ND	1.0	0.34	05/12/25 22:24	
1,2-Dichloroethane-d4 (S)	%	100	70-130		05/12/25 22:24	
4-Bromofluorobenzene (S)	%	98	70-130		05/12/25 22:24	
Toluene-d8 (S)	%	100	70-130		05/12/25 22:24	

LABORATORY CONTROL SAMPLE: 4803005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.5	97	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	331	83	70-130	
Benzene	ug/L	20	19.8	99	70-130	
Diisopropyl ether	ug/L	20	18.3	91	70-130	
Ethanol	ug/L	800	712	89	70-130	
Ethyl-tert-butyl ether	ug/L	40	35.2	88	70-130	
Ethylbenzene	ug/L	20	19.1	95	70-130	
m&p-Xylene	ug/L	40	38.3	96	70-130	
Methyl-tert-butyl ether	ug/L	20	17.9	89	70-130	
Naphthalene	ug/L	20	19.4	97	70-130	
o-Xylene	ug/L	20	19.7	98	70-130	
tert-Amyl Alcohol	ug/L	400	337	84	70-130	
tert-Amylmethyl ether	ug/L	40	33.9	85	70-130	
tert-Butyl Alcohol	ug/L	200	173	87	70-130	
tert-Butyl Formate	ug/L	160	137	86	70-130	

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

LABORATORY CONTROL SAMPLE: 4803005

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.0	95	70-130	
Xylene (Total)	ug/L	60	57.9	97	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4803006 4803007

Parameter	Units	92795713004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	19.7	25.6	98	128	70-137	26	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	340	456	85	114	39-157	29	30	
Benzene	ug/L	ND	20	20	21.5	27.8	108	139	70-151	26	30	
Diisopropyl ether	ug/L	0.68J	20	20	21.3	28.2	103	138	63-144	28	30	
Ethanol	ug/L	ND	800	800	701	877	88	110	39-176	22	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	37.4	50.7	93	127	66-137	30	30	
Ethylbenzene	ug/L	ND	20	20	19.8	26.0	99	130	66-153	27	30	
m&p-Xylene	ug/L	ND	40	40	40.5	52.8	101	132	69-152	26	30	
Methyl-tert-butyl ether	ug/L	1.2	20	20	20.4	26.8	96	128	54-156	27	30	
Naphthalene	ug/L	ND	20	20	19.0	25.0	95	125	61-148	27	30	
o-Xylene	ug/L	ND	20	20	20.1	26.5	101	133	70-148	28	30	
tert-Amyl Alcohol	ug/L	ND	400	400	344	464	86	116	54-153	30	30	
tert-Amylmethyl ether	ug/L	ND	40	40	35.0	46.9	87	117	69-139	29	30	
tert-Butyl Alcohol	ug/L	ND	200	200	202	270	101	135	43-188	29	30	
tert-Butyl Formate	ug/L	ND	160	160	87.6	105	55	66	10-170	18	30	
Toluene	ug/L	ND	20	20	20.3	26.3	101	132	59-148	26	30	
Xylene (Total)	ug/L	ND	60	60	60.7	79.4	101	132	63-158	27	30	
1,2-Dichloroethane-d4 (S)	%						96	97	70-130			
4-Bromofluorobenzene (S)	%						99	100	70-130			
Toluene-d8 (S)	%						101	100	70-130			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 934874
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92795733029, 92795733030, 92795733031, 92795733032

METHOD BLANK: 4804136 Matrix: Water
Associated Lab Samples: 92795733029, 92795733030, 92795733031, 92795733032

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/12/25 11:19	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/12/25 11:19	
Benzene	ug/L	ND	1.0	0.34	05/12/25 11:19	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/12/25 11:19	
Ethanol	ug/L	ND	200	72.2	05/12/25 11:19	v2
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/12/25 11:19	
Ethylbenzene	ug/L	ND	1.0	0.30	05/12/25 11:19	
m&p-Xylene	ug/L	ND	2.0	0.71	05/12/25 11:19	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/12/25 11:19	
Naphthalene	ug/L	ND	1.0	0.64	05/12/25 11:19	
o-Xylene	ug/L	ND	1.0	0.34	05/12/25 11:19	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/12/25 11:19	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/12/25 11:19	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/12/25 11:19	v2
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/12/25 11:19	
Toluene	ug/L	ND	1.0	0.48	05/12/25 11:19	
Xylene (Total)	ug/L	ND	1.0	0.34	05/12/25 11:19	
1,2-Dichloroethane-d4 (S)	%	102	70-130		05/12/25 11:19	
4-Bromofluorobenzene (S)	%	101	70-130		05/12/25 11:19	
Toluene-d8 (S)	%	102	70-130		05/12/25 11:19	

LABORATORY CONTROL SAMPLE: 4804137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.8	104	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	324	81	70-130	
Benzene	ug/L	20	20.4	102	70-130	
Diisopropyl ether	ug/L	20	18.7	93	70-130	
Ethanol	ug/L	800	576	72	70-130	v3
Ethyl-tert-butyl ether	ug/L	40	38.2	95	70-130	
Ethylbenzene	ug/L	20	19.9	99	70-130	
m&p-Xylene	ug/L	40	40.2	101	70-130	
Methyl-tert-butyl ether	ug/L	20	18.2	91	70-130	
Naphthalene	ug/L	20	18.0	90	70-130	
o-Xylene	ug/L	20	20.2	101	70-130	
tert-Amyl Alcohol	ug/L	400	347	87	70-130	
tert-Amylmethyl ether	ug/L	40	35.3	88	70-130	
tert-Butyl Alcohol	ug/L	200	143	71	70-130	v3
tert-Butyl Formate	ug/L	160	148	92	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

LABORATORY CONTROL SAMPLE: 4804137

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.4	97	70-130	
Xylene (Total)	ug/L	60	60.4	101	70-130	
1,2-Dichloroethane-d4 (S)	%			107	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4804138 4804139

Parameter	Units	92795912007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	20.1	20.2	101	101	70-137	1	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	448	443	112	111	39-157	1	30	
Benzene	ug/L	ND	20	20	21.3	21.6	107	108	70-151	1	30	
Diisopropyl ether	ug/L	ND	20	20	20.0	19.3	100	96	63-144	4	30	
Ethanol	ug/L	ND	800	800	702	719	88	90	39-176	2	30	v3
Ethyl-tert-butyl ether	ug/L	ND	40	40	39.5	38.5	99	96	66-137	3	30	
Ethylbenzene	ug/L	ND	20	20	20.7	20.9	104	105	66-153	1	30	
m&p-Xylene	ug/L	ND	40	40	40.6	41.8	101	105	69-152	3	30	
Methyl-tert-butyl ether	ug/L	0.53J	20	20	20.1	19.4	98	94	54-156	3	30	
Naphthalene	ug/L	ND	20	20	23.2	23.6	116	118	61-148	2	30	
o-Xylene	ug/L	ND	20	20	20.9	21.7	105	109	70-148	4	30	
tert-Amyl Alcohol	ug/L	ND	400	400	400	390	100	98	54-153	3	30	
tert-Amylmethyl ether	ug/L	ND	40	40	38.8	38.3	97	96	69-139	1	30	
tert-Butyl Alcohol	ug/L	ND	200	200	258	251	129	125	43-188	3	30	v3
tert-Butyl Formate	ug/L	ND	160	160	45.3J	33.3J	28	21	10-170		30	
Toluene	ug/L	ND	20	20	20.9	20.2	105	101	59-148	4	30	
Xylene (Total)	ug/L	ND	60	60	61.5	63.5	103	106	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						92	88	70-130			
4-Bromofluorobenzene (S)	%						98	99	70-130			
Toluene-d8 (S)	%						97	96	70-130			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 934878
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92795733002

METHOD BLANK: 4804160
Matrix: Water
Associated Lab Samples: 92795733002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/12/25 12:34	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/12/25 12:34	
Benzene	ug/L	ND	1.0	0.34	05/12/25 12:34	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/12/25 12:34	
Ethanol	ug/L	ND	200	72.2	05/12/25 12:34	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/12/25 12:34	
Ethylbenzene	ug/L	ND	1.0	0.30	05/12/25 12:34	
m&p-Xylene	ug/L	ND	2.0	0.71	05/12/25 12:34	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/12/25 12:34	
Naphthalene	ug/L	ND	1.0	0.64	05/12/25 12:34	
o-Xylene	ug/L	ND	1.0	0.34	05/12/25 12:34	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/12/25 12:34	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/12/25 12:34	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/12/25 12:34	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/12/25 12:34	
Toluene	ug/L	ND	1.0	0.48	05/12/25 12:34	
Xylene (Total)	ug/L	ND	1.0	0.34	05/12/25 12:34	
1,2-Dichloroethane-d4 (S)	%	98	70-130		05/12/25 12:34	
4-Bromofluorobenzene (S)	%	97	70-130		05/12/25 12:34	
Toluene-d8 (S)	%	101	70-130		05/12/25 12:34	

LABORATORY CONTROL SAMPLE: 4804161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.8	99	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	373	93	70-130	
Benzene	ug/L	20	19.7	99	70-130	
Diisopropyl ether	ug/L	20	18.6	93	70-130	
Ethanol	ug/L	800	673	84	70-130	
Ethyl-tert-butyl ether	ug/L	40	36.8	92	70-130	
Ethylbenzene	ug/L	20	18.5	93	70-130	
m&p-Xylene	ug/L	40	36.7	92	70-130	
Methyl-tert-butyl ether	ug/L	20	17.7	88	70-130	
Naphthalene	ug/L	20	19.8	99	70-130	
o-Xylene	ug/L	20	19.1	96	70-130	
tert-Amyl Alcohol	ug/L	400	362	90	70-130	
tert-Amylmethyl ether	ug/L	40	35.9	90	70-130	
tert-Butyl Alcohol	ug/L	200	170	85	70-130	
tert-Butyl Formate	ug/L	160	154	96	70-130	

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

LABORATORY CONTROL SAMPLE: 4804161

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.9	95	70-130	
Xylene (Total)	ug/L	60	55.8	93	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4804162 4804163

Parameter	Units	92795783008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	20.3	19.1	102	95	70-137	7	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	443	404	111	101	39-157	9	30	
Benzene	ug/L	ND	20	20	22.7	21.5	114	108	70-151	5	30	
Diisopropyl ether	ug/L	ND	20	20	20.4	19.3	102	96	63-144	5	30	
Ethanol	ug/L	ND	800	800	720	648	90	81	39-176	11	30	v3
Ethyl-tert-butyl ether	ug/L	ND	40	40	39.9	37.5	100	94	66-137	6	30	
Ethylbenzene	ug/L	ND	20	20	21.6	20.8	108	104	66-153	4	30	
m&p-Xylene	ug/L	ND	40	40	43.2	41.5	108	104	69-152	4	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.1	18.3	96	91	54-156	4	30	
Naphthalene	ug/L	ND	20	20	21.7	19.7	108	99	61-148	9	30	
o-Xylene	ug/L	ND	20	20	22.1	21.6	110	108	70-148	2	30	
tert-Amyl Alcohol	ug/L	ND	400	400	392	364	98	91	54-153	7	30	
tert-Amylmethyl ether	ug/L	ND	40	40	39.4	37.1	99	93	69-139	6	30	
tert-Butyl Alcohol	ug/L	ND	200	200	199	194	100	97	43-188	3	30	v3
tert-Butyl Formate	ug/L	ND	160	160	132	97.9	83	61	10-170	30	30	
Toluene	ug/L	ND	20	20	21.6	20.4	108	102	59-148	6	30	
Xylene (Total)	ug/L	ND	60	60	65.2	63.0	109	105	63-158	3	30	
1,2-Dichloroethane-d4 (S)	%						88	93	70-130			
4-Bromofluorobenzene (S)	%						98	97	70-130			
Toluene-d8 (S)	%						97	96	70-130			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 934879
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92795733004, 92795733005, 92795733006, 92795733007

METHOD BLANK: 4804164 Matrix: Water
Associated Lab Samples: 92795733004, 92795733005, 92795733006, 92795733007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/12/25 12:15	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/12/25 12:15	
Benzene	ug/L	ND	1.0	0.34	05/12/25 12:15	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/12/25 12:15	
Ethanol	ug/L	ND	200	72.2	05/12/25 12:15	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/12/25 12:15	
Ethylbenzene	ug/L	ND	1.0	0.30	05/12/25 12:15	
m&p-Xylene	ug/L	ND	2.0	0.71	05/12/25 12:15	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/12/25 12:15	
Naphthalene	ug/L	ND	1.0	0.64	05/12/25 12:15	
o-Xylene	ug/L	ND	1.0	0.34	05/12/25 12:15	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/12/25 12:15	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/12/25 12:15	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/12/25 12:15	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/12/25 12:15	
Toluene	ug/L	ND	1.0	0.48	05/12/25 12:15	
Xylene (Total)	ug/L	ND	1.0	0.34	05/12/25 12:15	
1,2-Dichloroethane-d4 (S)	%	99	70-130		05/12/25 12:15	
4-Bromofluorobenzene (S)	%	98	70-130		05/12/25 12:15	
Toluene-d8 (S)	%	102	70-130		05/12/25 12:15	

LABORATORY CONTROL SAMPLE: 4804165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.1	95	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	387	97	70-130	
Benzene	ug/L	20	19.9	99	70-130	
Diisopropyl ether	ug/L	20	18.8	94	70-130	
Ethanol	ug/L	800	668	83	70-130	
Ethyl-tert-butyl ether	ug/L	40	36.4	91	70-130	
Ethylbenzene	ug/L	20	18.5	93	70-130	
m&p-Xylene	ug/L	40	37.3	93	70-130	
Methyl-tert-butyl ether	ug/L	20	16.9	84	70-130	
Naphthalene	ug/L	20	18.8	94	70-130	
o-Xylene	ug/L	20	19.2	96	70-130	
tert-Amyl Alcohol	ug/L	400	362	90	70-130	
tert-Amylmethyl ether	ug/L	40	36.1	90	70-130	
tert-Butyl Alcohol	ug/L	200	172	86	70-130	
tert-Butyl Formate	ug/L	160	150	94	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

LABORATORY CONTROL SAMPLE: 4804165

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.9	95	70-130	
Xylene (Total)	ug/L	60	56.5	94	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4804166 4804167

Parameter	Units	92795733007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	21.1	19.1	105	96	70-137	10	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	485	428	121	107	39-157	13	30	
Benzene	ug/L	ND	20	20	23.3	21.3	116	106	70-151	9	30	
Diisopropyl ether	ug/L	ND	20	20	20.9	18.9	104	94	63-144	10	30	
Ethanol	ug/L	ND	800	800	790	693	99	87	39-176	13	30	v3
Ethyl-tert-butyl ether	ug/L	ND	40	40	40.9	37.1	102	93	66-137	10	30	
Ethylbenzene	ug/L	ND	20	20	23.0	20.5	115	103	66-153	11	30	
m&p-Xylene	ug/L	ND	40	40	45.6	41.7	114	104	69-152	9	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	20.1	17.5	100	87	54-156	14	30	
Naphthalene	ug/L	ND	20	20	21.0	21.2	105	106	61-148	1	30	
o-Xylene	ug/L	ND	20	20	23.5	21.2	118	106	70-148	10	30	
tert-Amyl Alcohol	ug/L	ND	400	400	429	380	107	95	54-153	12	30	
tert-Amylmethyl ether	ug/L	ND	40	40	40.6	37.3	102	93	69-139	9	30	
tert-Butyl Alcohol	ug/L	ND	200	200	241	225	120	112	43-188	7	30	v3
tert-Butyl Formate	ug/L	ND	160	160	94.6	57.9	59	36	10-170	48	30	R1
Toluene	ug/L	ND	20	20	22.4	19.9	112	100	59-148	12	30	
Xylene (Total)	ug/L	ND	60	60	69.2	62.9	115	105	63-158	9	30	
1,2-Dichloroethane-d4 (S)	%						90	89	70-130			
4-Bromofluorobenzene (S)	%						99	98	70-130			
Toluene-d8 (S)	%						96	95	70-130			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 934898
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92795733018, 92795733020, 92795733021, 92795733022, 92795733023, 92795733024

METHOD BLANK: 4804212
Matrix: Water
Associated Lab Samples: 92795733018, 92795733020, 92795733021, 92795733022, 92795733023, 92795733024

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/12/25 22:42	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/12/25 22:42	
Benzene	ug/L	ND	1.0	0.34	05/12/25 22:42	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/12/25 22:42	
Ethanol	ug/L	ND	200	72.2	05/12/25 22:42	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/12/25 22:42	
Ethylbenzene	ug/L	ND	1.0	0.30	05/12/25 22:42	
m&p-Xylene	ug/L	ND	2.0	0.71	05/12/25 22:42	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/12/25 22:42	
Naphthalene	ug/L	ND	1.0	0.64	05/12/25 22:42	
o-Xylene	ug/L	ND	1.0	0.34	05/12/25 22:42	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/12/25 22:42	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/12/25 22:42	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/12/25 22:42	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/12/25 22:42	
Toluene	ug/L	ND	1.0	0.48	05/12/25 22:42	
Xylene (Total)	ug/L	ND	1.0	0.34	05/12/25 22:42	
1,2-Dichloroethane-d4 (S)	%	99	70-130		05/12/25 22:42	
4-Bromofluorobenzene (S)	%	95	70-130		05/12/25 22:42	
Toluene-d8 (S)	%	99	70-130		05/12/25 22:42	

LABORATORY CONTROL SAMPLE: 4804213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	19.6	98	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	340	85	70-130	
Benzene	ug/L	20	20.2	101	70-130	
Diisopropyl ether	ug/L	20	18.3	92	70-130	
Ethanol	ug/L	800	720	90	70-130	
Ethyl-tert-butyl ether	ug/L	40	35.6	89	70-130	
Ethylbenzene	ug/L	20	19.4	97	70-130	
m&p-Xylene	ug/L	40	39.7	99	70-130	
Methyl-tert-butyl ether	ug/L	20	18.2	91	70-130	
Naphthalene	ug/L	20	19.6	98	70-130	
o-Xylene	ug/L	20	19.8	99	70-130	
tert-Amyl Alcohol	ug/L	400	347	87	70-130	
tert-Amylmethyl ether	ug/L	40	34.6	86	70-130	
tert-Butyl Alcohol	ug/L	200	178	89	70-130	
tert-Butyl Formate	ug/L	160	138	86	70-130	

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

LABORATORY CONTROL SAMPLE: 4804213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.4	97	70-130	
Xylene (Total)	ug/L	60	59.5	99	70-130	
1,2-Dichloroethane-d4 (S)	%			96	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4804214 4804215

Parameter	Units	92795733020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	20.4	22.0	102	110	70-137	7	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	363	411	91	103	39-157	13	30	
Benzene	ug/L	ND	20	20	22.4	24.1	112	120	70-151	7	30	
Diisopropyl ether	ug/L	ND	20	20	21.8	23.4	108	116	63-144	7	30	
Ethanol	ug/L	ND	800	800	713	749	89	94	39-176	5	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	39.8	43.4	99	108	66-137	9	30	
Ethylbenzene	ug/L	ND	20	20	21.1	22.7	106	114	66-153	7	30	
m&p-Xylene	ug/L	ND	40	40	42.9	45.4	107	113	69-152	6	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.6	21.3	98	107	54-156	9	30	
Naphthalene	ug/L	ND	20	20	19.8	21.4	99	107	61-148	8	30	
o-Xylene	ug/L	ND	20	20	21.5	22.9	108	114	70-148	6	30	
tert-Amyl Alcohol	ug/L	ND	400	400	359	406	90	101	54-153	12	30	
tert-Amylmethyl ether	ug/L	ND	40	40	36.6	39.6	92	99	69-139	8	30	
tert-Butyl Alcohol	ug/L	ND	200	200	218	254	109	127	43-188	15	30	
tert-Butyl Formate	ug/L	ND	160	160	44.5J	31.0J	28	19	10-170		30	
Toluene	ug/L	ND	20	20	21.3	22.6	106	113	59-148	6	30	
Xylene (Total)	ug/L	ND	60	60	64.4	68.2	107	114	63-158	6	30	
1,2-Dichloroethane-d4 (S)	%						98	97	70-130			
4-Bromofluorobenzene (S)	%						100	100	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 934918
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92795733001, 92795733003, 92795733012, 92795733015, 92795733025

METHOD BLANK: 4804381
Matrix: Water
Associated Lab Samples: 92795733001, 92795733003, 92795733012, 92795733015, 92795733025

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/12/25 22:23	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/12/25 22:23	
Benzene	ug/L	ND	1.0	0.34	05/12/25 22:23	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/12/25 22:23	
Ethanol	ug/L	ND	200	72.2	05/12/25 22:23	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/12/25 22:23	
Ethylbenzene	ug/L	ND	1.0	0.30	05/12/25 22:23	
m&p-Xylene	ug/L	ND	2.0	0.71	05/12/25 22:23	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/12/25 22:23	
Naphthalene	ug/L	ND	1.0	0.64	05/12/25 22:23	
o-Xylene	ug/L	ND	1.0	0.34	05/12/25 22:23	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/12/25 22:23	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/12/25 22:23	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/12/25 22:23	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/12/25 22:23	
Toluene	ug/L	ND	1.0	0.48	05/12/25 22:23	
Xylene (Total)	ug/L	ND	1.0	0.34	05/12/25 22:23	
1,2-Dichloroethane-d4 (S)	%	96	70-130		05/12/25 22:23	
4-Bromofluorobenzene (S)	%	97	70-130		05/12/25 22:23	
Toluene-d8 (S)	%	99	70-130		05/12/25 22:23	

LABORATORY CONTROL SAMPLE: 4804382

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	18.1	91	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	379	95	70-130	
Benzene	ug/L	20	19.4	97	70-130	
Diisopropyl ether	ug/L	20	18.0	90	70-130	
Ethanol	ug/L	800	666	83	70-130	
Ethyl-tert-butyl ether	ug/L	40	35.9	90	70-130	
Ethylbenzene	ug/L	20	18.0	90	70-130	
m&p-Xylene	ug/L	40	36.4	91	70-130	
Methyl-tert-butyl ether	ug/L	20	16.7	84	70-130	
Naphthalene	ug/L	20	20.0	100	70-130	
o-Xylene	ug/L	20	18.3	91	70-130	
tert-Amyl Alcohol	ug/L	400	360	90	70-130	
tert-Amylmethyl ether	ug/L	40	35.1	88	70-130	
tert-Butyl Alcohol	ug/L	200	173	86	70-130	
tert-Butyl Formate	ug/L	160	143	89	70-130	

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

LABORATORY CONTROL SAMPLE: 4804382

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.3	91	70-130	
Xylene (Total)	ug/L	60	54.7	91	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4804383 4804384

Parameter	Units	92795733003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	18.3	18.9	92	94	70-137	3	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	396	441	99	110	39-157	11	30	
Benzene	ug/L	ND	20	20	20.3	21.9	101	109	70-151	8	30	
Diisopropyl ether	ug/L	ND	20	20	18.1	18.8	90	94	63-144	4	30	
Ethanol	ug/L	ND	800	800	664	703	83	88	39-176	6	30	v3
Ethyl-tert-butyl ether	ug/L	ND	40	40	36.0	37.4	90	94	66-137	4	30	
Ethylbenzene	ug/L	ND	20	20	19.3	20.1	96	101	66-153	4	30	
m&p-Xylene	ug/L	ND	40	40	38.0	40.2	95	100	69-152	6	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.2	18.2	86	91	54-156	6	30	
Naphthalene	ug/L	ND	20	20	19.6	20.5	98	102	61-148	4	30	
o-Xylene	ug/L	ND	20	20	19.5	20.9	97	104	70-148	7	30	
tert-Amyl Alcohol	ug/L	ND	400	400	357	397	89	99	54-153	11	30	
tert-Amylmethyl ether	ug/L	ND	40	40	35.0	36.8	87	92	69-139	5	30	
tert-Butyl Alcohol	ug/L	ND	200	200	218	245	109	123	43-188	12	30	v3
tert-Butyl Formate	ug/L	ND	160	160	49.2J	35.1J	31	22	10-170		30	
Toluene	ug/L	ND	20	20	19.2	20.6	96	103	59-148	7	30	
Xylene (Total)	ug/L	ND	60	60	57.5	61.0	96	102	63-158	6	30	
1,2-Dichloroethane-d4 (S)	%						89	84	70-130			
4-Bromofluorobenzene (S)	%						98	96	70-130			
Toluene-d8 (S)	%						96	95	70-130			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 935114
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92795733026

METHOD BLANK: 4805385
Matrix: Water
Associated Lab Samples: 92795733026

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/13/25 13:40	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/13/25 13:40	
Benzene	ug/L	ND	1.0	0.34	05/13/25 13:40	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/13/25 13:40	
Ethanol	ug/L	ND	200	72.2	05/13/25 13:40	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/13/25 13:40	
Ethylbenzene	ug/L	ND	1.0	0.30	05/13/25 13:40	
m&p-Xylene	ug/L	ND	2.0	0.71	05/13/25 13:40	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/13/25 13:40	
Naphthalene	ug/L	ND	1.0	0.64	05/13/25 13:40	
o-Xylene	ug/L	ND	1.0	0.34	05/13/25 13:40	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/13/25 13:40	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/13/25 13:40	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/13/25 13:40	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/13/25 13:40	
Toluene	ug/L	ND	1.0	0.48	05/13/25 13:40	
Xylene (Total)	ug/L	ND	1.0	0.34	05/13/25 13:40	
1,2-Dichloroethane-d4 (S)	%	101	70-130		05/13/25 13:40	
4-Bromofluorobenzene (S)	%	100	70-130		05/13/25 13:40	
Toluene-d8 (S)	%	101	70-130		05/13/25 13:40	

LABORATORY CONTROL SAMPLE: 4805386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	21.3	106	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	430	107	70-130	
Benzene	ug/L	20	22.8	114	70-130	
Diisopropyl ether	ug/L	20	21.9	110	70-130	
Ethanol	ug/L	800	852	106	70-130	
Ethyl-tert-butyl ether	ug/L	40	41.1	103	70-130	
Ethylbenzene	ug/L	20	21.5	108	70-130	
m&p-Xylene	ug/L	40	43.2	108	70-130	
Methyl-tert-butyl ether	ug/L	20	20.6	103	70-130	
Naphthalene	ug/L	20	22.3	112	70-130	
o-Xylene	ug/L	20	21.7	109	70-130	
tert-Amyl Alcohol	ug/L	400	432	108	70-130	
tert-Amylmethyl ether	ug/L	40	38.1	95	70-130	
tert-Butyl Alcohol	ug/L	200	224	112	70-130	
tert-Butyl Formate	ug/L	160	157	98	70-130	

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REPORT OF LABORATORY ANALYSIS

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(704)875-9092

QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

LABORATORY CONTROL SAMPLE: 4805386

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	21.5	107	70-130	
Xylene (Total)	ug/L	60	65.0	108	70-130	
1,2-Dichloroethane-d4 (S)	%			97	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4805387 4805388

Parameter	Units	92796009038 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	21.7	23.3	109	116	70-137	7	30	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	387	423	97	106	39-157	9	30	
Benzene	ug/L	ND	20	20	23.8	26.2	119	131	70-151	9	30	
Diisopropyl ether	ug/L	ND	20	20	22.9	25.2	114	126	63-144	9	30	
Ethanol	ug/L	ND	800	800	776	793	97	99	39-176	2	30	
Ethyl-tert-butyl ether	ug/L	ND	40	40	42.1	46.2	105	116	66-137	9	30	
Ethylbenzene	ug/L	ND	20	20	22.4	24.3	112	121	66-153	8	30	
m&p-Xylene	ug/L	ND	40	40	45.4	49.3	114	123	69-152	8	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	21.1	23.0	105	115	54-156	9	30	
Naphthalene	ug/L	ND	20	20	21.1	23.2	105	116	61-148	10	30	
o-Xylene	ug/L	ND	20	20	22.7	24.2	113	121	70-148	7	30	
tert-Amyl Alcohol	ug/L	ND	400	400	385	419	96	105	54-153	8	30	
tert-Amylmethyl ether	ug/L	ND	40	40	38.3	42.4	96	106	69-139	10	30	
tert-Butyl Alcohol	ug/L	ND	200	200	220	243	110	122	43-188	10	30	
tert-Butyl Formate	ug/L	ND	160	160	116	97.5	73	61	10-170	17	30	
Toluene	ug/L	ND	20	20	22.5	24.7	112	124	59-148	9	30	
Xylene (Total)	ug/L	ND	60	60	68.1	73.6	113	123	63-158	8	30	
1,2-Dichloroethane-d4 (S)	%						95	93	70-130			
4-Bromofluorobenzene (S)	%						100	99	70-130			
Toluene-d8 (S)	%						100	101	70-130			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 935309
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92795733019

METHOD BLANK: 4806538
Matrix: Water
Associated Lab Samples: 92795733019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/14/25 12:59	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/14/25 12:59	
Benzene	ug/L	ND	1.0	0.34	05/14/25 12:59	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/14/25 12:59	
Ethanol	ug/L	ND	200	72.2	05/14/25 12:59	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/14/25 12:59	
Ethylbenzene	ug/L	ND	1.0	0.30	05/14/25 12:59	
m&p-Xylene	ug/L	ND	2.0	0.71	05/14/25 12:59	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/14/25 12:59	
Naphthalene	ug/L	ND	1.0	0.64	05/14/25 12:59	
o-Xylene	ug/L	ND	1.0	0.34	05/14/25 12:59	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/14/25 12:59	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/14/25 12:59	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/14/25 12:59	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/14/25 12:59	
Toluene	ug/L	ND	1.0	0.48	05/14/25 12:59	
Xylene (Total)	ug/L	ND	1.0	0.34	05/14/25 12:59	
1,2-Dichloroethane-d4 (S)	%	96	70-130		05/14/25 12:59	
4-Bromofluorobenzene (S)	%	96	70-130		05/14/25 12:59	
Toluene-d8 (S)	%	98	70-130		05/14/25 12:59	

LABORATORY CONTROL SAMPLE: 4806539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	17.9	90	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	380	95	70-130	
Benzene	ug/L	20	19.1	96	70-130	
Diisopropyl ether	ug/L	20	17.9	90	70-130	
Ethanol	ug/L	800	658	82	70-130	
Ethyl-tert-butyl ether	ug/L	40	35.3	88	70-130	
Ethylbenzene	ug/L	20	18.3	92	70-130	
m&p-Xylene	ug/L	40	37.4	93	70-130	
Methyl-tert-butyl ether	ug/L	20	17.1	86	70-130	
Naphthalene	ug/L	20	19.2	96	70-130	
o-Xylene	ug/L	20	18.9	94	70-130	
tert-Amyl Alcohol	ug/L	400	346	86	70-130	
tert-Amylmethyl ether	ug/L	40	34.5	86	70-130	
tert-Butyl Alcohol	ug/L	200	166	83	70-130	
tert-Butyl Formate	ug/L	160	142	89	70-130	

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

LABORATORY CONTROL SAMPLE: 4806539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.3	92	70-130	
Xylene (Total)	ug/L	60	56.2	94	70-130	
1,2-Dichloroethane-d4 (S)	%			92	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 4806540

Parameter	Units	92795957006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	13.9	69	70-137	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	336	84	39-157	
Benzene	ug/L	ND	20	14.8	74	70-151	
Diisopropyl ether	ug/L	ND	20	13.6	68	63-144	
Ethanol	ug/L	ND	800	522	65	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	26.6	66	66-137	
Ethylbenzene	ug/L	ND	20	14.3	71	66-153	
m&p-Xylene	ug/L	ND	40	28.5	71	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	12.8	64	54-156	
Naphthalene	ug/L	ND	20	17.3	86	61-148	
o-Xylene	ug/L	ND	20	14.6	73	70-148	
tert-Amyl Alcohol	ug/L	ND	400	299	75	54-153	
tert-Amylmethyl ether	ug/L	ND	40	26.3	66	69-139	M1
tert-Butyl Alcohol	ug/L	ND	200	152	76	43-188	
tert-Butyl Formate	ug/L	ND	160	80.3	50	10-170	
Toluene	ug/L	ND	20	14.2	71	59-148	
Xylene (Total)	ug/L	ND	60	43.2	72	63-158	
1,2-Dichloroethane-d4 (S)	%				89	70-130	
4-Bromofluorobenzene (S)	%				96	70-130	
Toluene-d8 (S)	%				96	70-130	

SAMPLE DUPLICATE: 4806541

Parameter	Units	92795957004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

SAMPLE DUPLICATE: 4806541

Parameter	Units	92795957004 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	98	96			
4-Bromofluorobenzene (S)	%	97	94			
Toluene-d8 (S)	%	98	98			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 935462
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92795733010, 92795733016, 92795733027, 92795733028

METHOD BLANK: 4807073
Matrix: Water
Associated Lab Samples: 92795733010, 92795733016, 92795733027, 92795733028

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	05/14/25 12:05	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	05/14/25 12:05	
Benzene	ug/L	ND	1.0	0.34	05/14/25 12:05	
Diisopropyl ether	ug/L	ND	1.0	0.31	05/14/25 12:05	
Ethanol	ug/L	ND	200	72.2	05/14/25 12:05	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	05/14/25 12:05	
Ethylbenzene	ug/L	ND	1.0	0.30	05/14/25 12:05	
m&p-Xylene	ug/L	ND	2.0	0.71	05/14/25 12:05	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	05/14/25 12:05	
Naphthalene	ug/L	ND	1.0	0.64	05/14/25 12:05	
o-Xylene	ug/L	ND	1.0	0.34	05/14/25 12:05	
tert-Amyl Alcohol	ug/L	ND	100	36.4	05/14/25 12:05	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	05/14/25 12:05	
tert-Butyl Alcohol	ug/L	ND	100	26.8	05/14/25 12:05	
tert-Butyl Formate	ug/L	ND	50.0	29.4	05/14/25 12:05	
Toluene	ug/L	ND	1.0	0.48	05/14/25 12:05	
Xylene (Total)	ug/L	ND	1.0	0.34	05/14/25 12:05	
1,2-Dichloroethane-d4 (S)	%	112	70-130		05/14/25 12:05	
4-Bromofluorobenzene (S)	%	98	70-130		05/14/25 12:05	
Toluene-d8 (S)	%	101	70-130		05/14/25 12:05	

LABORATORY CONTROL SAMPLE: 4807074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	21.0	105	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	332	83	70-130	
Benzene	ug/L	20	19.7	99	70-130	
Diisopropyl ether	ug/L	20	19.5	97	70-130	
Ethanol	ug/L	800	879	110	70-130	
Ethyl-tert-butyl ether	ug/L	40	39.1	98	70-130	
Ethylbenzene	ug/L	20	21.0	105	70-130	
m&p-Xylene	ug/L	40	42.6	106	70-130	
Methyl-tert-butyl ether	ug/L	20	19.3	96	70-130	
Naphthalene	ug/L	20	21.5	108	70-130	
o-Xylene	ug/L	20	21.9	110	70-130	
tert-Amyl Alcohol	ug/L	400	342	85	70-130	
tert-Amylmethyl ether	ug/L	40	35.1	88	70-130	
tert-Butyl Alcohol	ug/L	200	167	84	70-130	
tert-Butyl Formate	ug/L	160	146	91	70-130	

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

LABORATORY CONTROL SAMPLE: 4807074

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	18.7	93	70-130	
Xylene (Total)	ug/L	60	64.5	108	70-130	
1,2-Dichloroethane-d4 (S)	%			111	70-130	
4-Bromofluorobenzene (S)	%			98	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4807075 4807076

Parameter	Units	92795912031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dichloroethane	ug/L	ND	20	20	31.0	29.7	155	149	70-137	4	30	M1
3,3-Dimethyl-1-Butanol	ug/L	ND	400	400	ND	ND	90	87	39-157		30	
Benzene	ug/L	1190	20	20	1300	1260	552	362	70-151	3	30	M1
Diisopropyl ether	ug/L	86.1	20	20	118	117	160	155	63-144	1	30	M1
Ethanol	ug/L	ND	800	800	1510J	1430J	189	178	39-176		30	M1
Ethyl-tert-butyl ether	ug/L	ND	40	40	57.6J	55.4J	144	138	66-137		30	M1
Ethylbenzene	ug/L	80.5	20	20	123	118	214	186	66-153	5	30	M1
m&p-Xylene	ug/L	34.0	40	40	102	94.3	170	151	69-152	8	30	M1
Methyl-tert-butyl ether	ug/L	245	20	20	294	271	243	130	54-156	8	30	M1
Naphthalene	ug/L	429	20	20	468	506	191	383	61-148	8	30	M1
o-Xylene	ug/L	5.6J	20	20	36.2	36.2	153	153	70-148	0	30	M1
tert-Amyl Alcohol	ug/L	4970	400	400	5450	5470	119	126	54-153	0	30	
tert-Amylmethyl ether	ug/L	ND	40	40	58.6J	59.2J	147	148	69-139		30	M1
tert-Butyl Alcohol	ug/L	2000	200	200	2470	2300	233	151	43-188	7	30	M1
tert-Butyl Formate	ug/L	ND	160	160	ND	ND	104	92	10-170		30	
Toluene	ug/L	8.2J	20	20	35.5	35.0	137	134	59-148	2	30	
Xylene (Total)	ug/L	39.5	60	60	138	131	164	152	63-158	6	30	MS
1,2-Dichloroethane-d4 (S)	%						120	112	70-130			
4-Bromofluorobenzene (S)	%						101	97	70-130			
Toluene-d8 (S)	%						95	99	70-130			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 936282
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92795733001, 92795733002, 92795733003, 92795733004, 92795733005, 92795733006, 92795733007, 92795733008, 92795733009, 92795733010, 92795733011, 92795733012, 92795733013, 92795733014, 92795733015, 92795733016, 92795733017, 92795733018, 92795733019, 92795733020

METHOD BLANK: 4811462
Matrix: Water

Associated Lab Samples: 92795733001, 92795733002, 92795733003, 92795733004, 92795733005, 92795733006, 92795733007, 92795733008, 92795733009, 92795733010, 92795733011, 92795733012, 92795733013, 92795733014, 92795733015, 92795733016, 92795733017, 92795733018, 92795733019, 92795733020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0074	05/19/25 11:46	
1-Chloro-2-bromopropane (S)	%	133	60-140		05/19/25 11:46	

LABORATORY CONTROL SAMPLE & LCSD: 4811463 4811464

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.32	0.29	129	118	60-140	9	20	
1-Chloro-2-bromopropane (S)	%				137	123	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4811466 4811467

Parameter	Units	92795733002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.27	0.26	109	107	60-140	3	20	
1-Chloro-2-bromopropane (S)	%						113	110	60-140			

SAMPLE DUPLICATE: 4811465

Parameter	Units	92795733001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	115	117			

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QUALITY CONTROL DATA

Project: Westside Quick Stop
Pace Project No.: 92795733

QC Batch: 936283
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92795733021, 92795733022, 92795733023, 92795733024, 92795733025, 92795733026, 92795733027, 92795733028, 92795733029, 92795733030

METHOD BLANK: 4811468 Matrix: Water
Associated Lab Samples: 92795733021, 92795733022, 92795733023, 92795733024, 92795733025, 92795733026, 92795733027, 92795733028, 92795733029, 92795733030

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0074	05/19/25 16:54	
1-Chloro-2-bromopropane (S)	%	112	60-140		05/19/25 16:54	

LABORATORY CONTROL SAMPLE & LCSD: 4811469 4811470

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.27	0.27	108	108	60-140	1	20	
1-Chloro-2-bromopropane (S)	%				110	112	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4811472 4811473

Parameter	Units	92795551007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.25	0.25	101	100	60-140	1	20	
1-Chloro-2-bromopropane (S)	%						103	102	60-140			

SAMPLE DUPLICATE: 4811471

Parameter	Units	92795551006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	100	103			

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REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Westside Quick Stop
Pace Project No.: 92795733

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
R1	RPD value was outside control limits.
v2	The continuing calibration verification was below the method acceptance limit. The analyte was not detected in the associated samples and the sensitivity of the instrument was verified with a reporting limit check standard.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have low bias.

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Pace Analytical Services, LLC
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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Westside Quick Stop
Pace Project No.: 92795733

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92795733001	**MW-02**	EPA 8011	936282	EPA 8011	936360
92795733002	**MW-03**	EPA 8011	936282	EPA 8011	936360
92795733003	**MW-04**	EPA 8011	936282	EPA 8011	936360
92795733004	**MW-04I**	EPA 8011	936282	EPA 8011	936360
92795733005	**MW-07**	EPA 8011	936282	EPA 8011	936360
92795733006	**MW-08**	EPA 8011	936282	EPA 8011	936360
92795733007	**MW-09**	EPA 8011	936282	EPA 8011	936360
92795733008	**MW-10**	EPA 8011	936282	EPA 8011	936360
92795733009	**MW-11**	EPA 8011	936282	EPA 8011	936360
92795733010	**MW-12**	EPA 8011	936282	EPA 8011	936360
92795733011	**MW-12I**	EPA 8011	936282	EPA 8011	936360
92795733012	**MW-14**	EPA 8011	936282	EPA 8011	936360
92795733013	**MW-14I**	EPA 8011	936282	EPA 8011	936360
92795733014	**MW-16I**	EPA 8011	936282	EPA 8011	936360
92795733015	**MW-20**	EPA 8011	936282	EPA 8011	936360
92795733016	**MW-21**	EPA 8011	936282	EPA 8011	936360
92795733017	**MW-22**	EPA 8011	936282	EPA 8011	936360
92795733018	**MW-22I**	EPA 8011	936282	EPA 8011	936360
92795733019	**MW-25**	EPA 8011	936282	EPA 8011	936360
92795733020	**MW-26**	EPA 8011	936282	EPA 8011	936360
92795733021	**MW-26I**	EPA 8011	936283	EPA 8011	936361
92795733022	**MW-27**	EPA 8011	936283	EPA 8011	936361
92795733023	**MW-27I**	EPA 8011	936283	EPA 8011	936361
92795733024	**MW-28**	EPA 8011	936283	EPA 8011	936361
92795733025	**MW-X**	EPA 8011	936283	EPA 8011	936361
92795733026	**MW-XR**	EPA 8011	936283	EPA 8011	936361
92795733027	**Duplicate 1**	EPA 8011	936283	EPA 8011	936361
92795733028	**Duplicate 2**	EPA 8011	936283	EPA 8011	936361
92795733029	**FB-1**	EPA 8011	936283	EPA 8011	936361
92795733030	**FB-2**	EPA 8011	936283	EPA 8011	936361
92795733001	**MW-02**	EPA 8260D	934918		
92795733002	**MW-03**	EPA 8260D	934878		
92795733003	**MW-04**	EPA 8260D	934918		
92795733004	**MW-04I**	EPA 8260D	934879		
92795733005	**MW-07**	EPA 8260D	934879		
92795733006	**MW-08**	EPA 8260D	934879		
92795733007	**MW-09**	EPA 8260D	934879		
92795733008	**MW-10**	EPA 8260D	934636		
92795733009	**MW-11**	EPA 8260D	934636		
92795733010	**MW-12**	EPA 8260D	935462		
92795733011	**MW-12I**	EPA 8260D	934636		
92795733012	**MW-14**	EPA 8260D	934918		
92795733013	**MW-14I**	EPA 8260D	934636		
92795733014	**MW-16I**	EPA 8260D	934636		

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Westside Quick Stop
Pace Project No.: 92795733

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92795733015	**MW-20**	EPA 8260D	934918		
92795733016	**MW-21**	EPA 8260D	935462		
92795733017	**MW-22**	EPA 8260D	934636		
92795733018	**MW-22I**	EPA 8260D	934898		
92795733019	**MW-25**	EPA 8260D	935309		
92795733020	**MW-26**	EPA 8260D	934898		
92795733021	**MW-26I**	EPA 8260D	934898		
92795733022	**MW-27**	EPA 8260D	934898		
92795733023	**MW-27I**	EPA 8260D	934898		
92795733024	**MW-28**	EPA 8260D	934898		
92795733025	**MW-X**	EPA 8260D	934918		
92795733026	**MW-XR**	EPA 8260D	935114		
92795733027	**Duplicate 1**	EPA 8260D	935462		
92795733028	**Duplicate 2**	EPA 8260D	935462		
92795733029	**FB-1**	EPA 8260D	934874		
92795733030	**FB-2**	EPA 8260D	934874		
92795733031	**TB-1**	EPA 8260D	934874		
92795733032	**TB-2**	EPA 8260D	934874		

This report shall not be reproduced, except in full,
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Pace Analytical Services	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:
Asheville ☒ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: Enviro-South

Project #: **WO# : 92795733**

92795733

Courier: ☐ Commercial ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Pace ☐ Other:____

Custody Seal Present? ☐ Yes ☒ No Seals Intact? ☐ Yes ☒ No ☐ N/A

Date/Initials Person Examining Contents: 5-9-25 AR

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☒ N/A

Thermometer: ☒ IR Gun ID: 93T090

Type of Ice: ☒ Wet ☐ Blue ☐ None

Cooler Temp: 3.7 Correction Factor: Add/Subtract (°C) +0.1

Temp should be above freezing to 6°C
☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 3.8

USDA Regulated Soil (☒ N/A, water sample)
Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☒ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☒ No

				Comments/Discrepancy:
Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☒ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	4.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☒ N/A	8.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	9.
-Includes Date/Time/ID/Analysis Matrix: WT				
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☒ No	☐ N/A	10.
Trip Blank Present?	☒ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☒ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: _____ Date/Time: _____

Project Manager SCURF Review: _____ Date: _____

Project Manager SRF Review: _____ Date: _____

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # **WO#: 92795733**

PM: MWB Due Date: 05/20/25
CLIENT: 92-ENVIROSOU

Laboratory Receiving Location: Asheville [X] Eden [ ] Greenwood [ ] Huntersville [ ] Raleigh [ ] Mechanicsville [ ] Atlanta [ ] Kernersville [ ]

Client Envirosouth Profile/EZ (Circle one) 3257289 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG8U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☒ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Cwiscosouth Profile/EZ (circle one) 3257289 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project #

Laboratory Receiving Location: Asheville ☒ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Guilsouth Profile/EZ (Circle one) 3257289 Notes

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
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Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Envirosouth	Contact/Report To:	Tom Donn
Street Address:	3440 Augusta Rd. Greenville, SC 29605	Phone #:	(864)236-9010
		E-Mail:	tdonn@envirosouth.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Westside Quick Stop	Invoice To:	Teresa Donn
		Invoice E-Mail:	teresad@envirosouth.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Specify Container Size **

Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): South Carolina

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Lab Use Only: Proj. Mgr: Matthew Brainard; AcctNum / Client ID:; Table #:; Profile / Template: 4494; Prelog / Bottle Ord. ID: EZ 3257289

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8011 GCS EDB	8260 BTEXMN, 12DCA, Oxys	Sample Comment	Preservation non-conformance identified for sample.
[redacted]	WT	G								X	X		
MW-02	WT	G	5/8	1320			6			X	X		
MW-03	WT	G	5/7	1555			6			X	X		
MW-04	WT	G	5/8	1025			6			X	X		
MW-04I	WT	G	5/8	1000			6			X	X		
[redacted] MW-7	WT	G	5/7	1100			6			X	X		
[redacted]	WT	G								X	X		
MW-08	WT	G	5/7	1150			6			X	X		
MW-09	WT	G	5/7	1225			6			X	X		
MW-10	WT	G	5/7	1035			6			X	X		

Additional Instructions from Pace®:

Collected By: (Printed Name) Trevor Hudson

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	99T090	0.1	3.7	3.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	5/9/25 0950	[signature] Pace	5/9/25 0950
[signature]	5/9/25 1041	[signature] PACE	5.9.25 1041
[signature] PACE	5.9.25 13:38	[signature]	5/9/25 1338

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 5

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Envirosouth
Street Address: 3440 Augusta Rd. Greenville, SC 29605
Customer Project #:
Project Name: Westside Quick Stop
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Tom Donn
Phone #: (864)236-9010
E-Mail: tdonn@envirosouth.com
Cc E-Mail:
Invoice To: Teresa Donn
Invoice E-Mail: teresad@envirosouth.com
Purchase Order # (if applicable):
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET
County / State origin of sample(s): South Carolina
Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____
DW PWSID # or WW Permit # as applicable:
Date Results Requested:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: **Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
Identify Container Preservative Type***: *** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Matthew Brainard; AcctNum / Client ID:; Table #:; Profile / Template: 4494; Prelog / Bottle Ord. ID: EZ 3257289

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8011 GCS EDB	8260 BTEXMN, 12DCA, Oxys	Sample Comment	Preservation non-conformance identified for sample.
MW-11	WT	G	5/7	1010			6			X	X		
MW-12	WT	G	5/8	1255			6			X	X		
MW-12I	WT	G	5/8	1230			6			X	X		
MW-14	WT	G	5/7	1325			6			X	X		
MW-14I	WT	G	5/7	1300			6			X	X		
[redacted]	WT									X	X		
[redacted]	WT									X	X		
[redacted]	WT									X	X		
MW-16I	WT	G	5/7	1520			6			X	X		
[redacted]	WT									X	X		

Additional Instructions from Pace®:
Collected By: (Printed Name) Trevor Hudson
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	93T090	0.1	3.7	3.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	5/9/25 0950	Randy Hamilton Envo	5/9/25 0950
Randy Hamilton	5/9/25 1041	PACE	5-9-25 1041
PACE	5-9-25 13:35		5/9/25 13:35

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 2 of 5

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Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Envirosouth	Contact/Report To:	Tom Donn
Street Address:	3440 Augusta Rd. Greenville, SC 29605	Phone #:	(864)236-9010
		E-Mail:	tdonn@envirosouth.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Westside Quick Stop	Invoice To:	Teresa Donn
		Invoice E-Mail:	teresad@envirosouth.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): South Carolina

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: **Matthew Brainard**; AcctNum / Client ID:; Table #:; Profile / Template: **4494**; Prelog / Bottle Ord. ID: **EZ 3257289**

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8011 GCS EDB	8260 BTEXMN, 12DCA, Oxys	Sample Comment	Preservation non-conformance identified for sample.
[redacted]	WT									X	X		
[redacted]	WT									X	X		
[redacted]	WT									X	X		
MW-20	WT	G	5/8	935			6			X	X		
MW-21	WT	G	5/8	1400			6			X	X		
MW-22	WT	G	5/8	1140			6			X	X		
MW-22I	WT	G	5/8	1205			6			X	X		
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]			[redacted]			X	X		
MW-25	WT	G	5/8	1425			6			X	X		
MW-26	WT	G	5/8	1115			6			X	X		

Additional Instructions from Pace®:

Collected By: (Printed Name) Trevor Hudson

Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	935090	0.1	3.7	3.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	5/9/25 0950		5/9/25 0950
	5/9/25 1041	IPACE	5-9-25 1041
IPACE	5-9-25 13:38		5/9/25 13:38

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 3 of 5

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ENV-FRM-CORQ-0019_v02_110123 ©

Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Envirosouth	Contact/Report To:	Tom Donn
Street Address:	3440 Augusta Rd. Greenville, SC 29605	Phone #:	(864)236-9010
		E-Mail:	tdonn@envirosouth.com
		Cc E-Mail:	
Customer Project #:			
Project Name:	Westside Quick Stop	Invoice To:	Teresa Donn
		Invoice E-Mail:	teresad@envirosouth.com
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

County / State origin of sample(s): South Carolina

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No

Rush (Pre-approval required):
[ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: **Matthew Brainard**
AcctNum / Client ID:
Table #:
Profile / Template: **4494**
Prelog / Bottle Ord. ID: **EZ 3257289**

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8011 GCS EDB	8260 BTEXMN, 12DCA, Oxys	Sample Comment	Preservation non-conformance identified for sample.
MW-26I	WT	G	5/8	1050			6			X	X		
MW-27	WT	G	5/7	945			6			X	X		
MW-27I	WT	G	5/7	920			6			X	X		
MW-28	WT	G	5/7	1125			6			X	X		
MW-X	WT	G	5/8	1450			6			X	X		
MW-XR	WT	G	5/8	1515			6			X	X		
[redacted]	WT									X	X		
Duplicate 1	WT	G	5/8	–			6			X	X		
Duplicate 2	WT	G	5/8	–			6			X	X		
FB-1	WT	G	5/7	845			6			X	X		

Additional Instructions from Pace®:

Collected By:
(Printed Name) Trevor Hudson
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	497090	0.1	3.7	3.8	Y

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	5/9/25 0950		5/9/25 0950
	5/9/25 1041	PACE	5-9-25 1041
PACE	5-9-25 13:38		5/9/25 13:38

Tracking Number:

Delivered by: [ ] In- Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 4 of 5

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Pace® Location Requested (City/State):
Pace Analytical Charlotte
9800 Kincey Ave. Suite 100, Huntersville, NC 28078

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name: Envirosouth
Street Address: 3440 Augusta Rd. Greenville, SC 29605
Customer Project #:
Project Name: Westside Quick Stop
Site Collection Info/Facility ID (as applicable):

Contact/Report To: Tom Donn
Phone #: (864)236-9010
E-Mail: tdonn@envirosouth.com
Cc E-Mail:
Invoice To: Teresa Donn
Invoice E-Mail: teresad@envirosouth.com
Purchase Order # (if applicable):
Quote #:

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET
County / State origin of sample(s): South Carolina

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other
Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [ ] Yes [ ] No
Rush (Pre-approval required): [ ] Same Day [ ] 1 Day [ ] 2 Day [ ] 3 Day [ ] Other _____
DW PWSID # or WW Permit # as applicable:
Date Results Requested:
Field Filtered (if applicable): [ ] Yes [ ] No
Analysis:

Specify Container Size **: **Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other
Identify Container Preservative Type***: *** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Matthew Brainard; AcctNum / Client ID:; Table #:; Profile / Template: 4494; Prelog / Bottle Ord. ID: EZ 3257289

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Biosolid (BS), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Composite Start Date	Composite Start Time	Collected or Composite End Date	Collected or Composite End Time	# Cont.	Res. Chlorine Results	Res. Chlorine Units	8011 GCS EDB	8260 BTEXMN, 12DCA, Oxys	Sample Comment	Preservation non-conformance identified for sample.
FB-2	WT	G	5/8	900			6			X	X		
[redacted]	WT									X	X		
[redacted]	WT									X	X		
TB-1	WT	G	5/17	830			2				X		
TB-2	WT	G	5/8	830			2				X		
[redacted]	WT										X		
[redacted]	WT										X		

Additional Instructions from Pace®:

Collected By: (Printed Name) Trevor Hudson
Signature:

Customer Remarks / Special Conditions / Possible Hazards:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)	On Ice:
	93T090	0.1	3.7	3.8	X

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	5/9/25 0950		5/9/25 0950
	5/9/25 1041		5-9-25 1041
PACE	5-9-25 13:38		5/9/25 13:38

Tracking Number:
Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 5 of 5

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GROUNDWATER SAMPLING FIELD SHEETS

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-1

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.):
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8											TH

Free Product: 21.28 - 22.30'

Not Sampled

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-2

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 22.45
Standing Water Column (Ft.):
Total Gallons Purged: 0.75
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1305	0	21.6	-89.4	290.1	6.11	65.7	0.00			TH
	1310	.25	21.5	-87.6	287.6	6.20	92.3	0.00			
	1315	.50	21.5	-85.2	285.3	6.20	90.8	0.00			
	1320	.75	21.6	-88.0	286.0	6.20	87.6	0.00			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-3

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 24.78
Standing Water Column (Ft.):
Total Gallons Purged: 0.75
Containerized? Yes No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/7	1540	0	20.2	230.6	30.1	4.84	115	5.54			TH
	1545	.25	19.8	248.7	31.6	4.78	66.5	5.33			
	1550	.50	19.9	254.9	31.9	4.77	68.0	5.13			
	1555	.75	19.8	250.6	32.0	4.76	71.6	5.20			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside Quick Stop

Well Number: MW-4

Total Well Depth:

Well Diameter:

Borehole Diameter:

Min. Number Well Vol. To Be Purged:

Vol. Per Vertical Ft. Casing (Gal.):

Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 24.36

Standing Water Column (Ft.):

Total Gallons Purged: 0.75

Containerized? (Yes) No

Amt. One Well Vol. (Gal.):

Total Gal. To Be Purged:

Purging System: Low Flow

Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1010	0	21.5	-57.8	50.1	6.20	31.2	0.00			TH
	1015	.25	21.5	-62.3	44.7	6.27	31.5	0.00			
	1020	.50	21.5	-64.6	44.7	6.31	31.7	0.00			
	1025	.75	21.5	-65.1	44.7	6.32	31.9	0.00			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-4I

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): 24.38
Standing Water Column (Ft.): _____
Total Gallons Purged: 0.75
Containerized? (Yes) No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	945	0	20.3	-45.2	134.9	5.92	142	1.54			TH
	950	.25	21.2	-57.6	40.0	6.36	606	0.49			
	955	.50	21.0	-56.2	39.5	6.32	605	0.47			
	1000	.75	21.1	-57.3	40.4	6.29	631	0.49			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-6

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): _____
Standing Water Column (Ft.): _____
Total Gallons Purged: _____
Containerized? Yes No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
											TH
		Could Not Locate									

Not Sampled

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-7

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 21.50
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? Yes (No)

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/7	1045	0	17.3	298.4	65.6	4.70	86.5	7.15			TH
	1050	.25	17.2	297.7	63.2	4.71	81.0	7.14			
	1055	.50	17.2	297.1	60.8	4.71	84.7	7.18			
	1100	.75	17.2	297.0	61.2	4.71	80.0	7.21			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-8

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.55
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? Yes (No)

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/7	1135	0	18.5	328.6	39.8	4.52	83.4	4.93			TH
	1140	.25	18.4	349.9	39.3	4.52	75.7	4.68			
	1145	.50	18.4	373.7	38.4	4.52	72.6	4.51			
	1150	.75	18.4	369.6	38.4	4.52	73.2	4.38			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-9

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 24.13
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? Yes (No)

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/7	1200	0	19.6	315.5	51.6	4.11	49.3	5.91			TH
	1210	.25	19.7	317.2	52.0	4.17	51.7	5.65			
	1220	.50	19.6	318.9	52.5	4.19	50.6	5.63			
	1225	.75	19.6	319.0	52.7	4.20	50.4	5.59			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

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Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-10

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): 23.93
Standing Water Column (Ft.): _____
Total Gallons Purged: _____
Containerized? Yes (No)

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/17	1020	0	19.5	302.0	45.3	4.56	56.9	7.10			TH
	1025	.25	19.5	309.7	47.5	4.53	46.5	6.92			
	1030	.50	19.5	311.2	48.0	4.52	42.5	6.94			
	1035	.75	19.5	311.7	48.2	4.52	43.9	6.77			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-11

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.75
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? Yes No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/7	955	0	19.6	268.5	29.3	4.83	216	7.17			TH
	1000	.25	19.5	279.5	28.2	4.79	71.2	6.72			
	1005	.50	19.5	284.6	28.2	4.78	69.6	6.58			
	1010	.75	19.5	287.8	28.2	4.77	70.4	6.50			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

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Client:

Job Number: 3570

Site: Westside Quick Stop

Well Number: MW-12

Total Well Depth:

Well Diameter:

Borehole Diameter:

Min. Number Well Vol. To Be Purged:

Vol. Per Vertical Ft. Casing (Gal.):

Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 21.63

Standing Water Column (Ft.):

Total Gallons Purged: 0.75

Containerized? (Yes) No

Amt. One Well Vol. (Gal.):

Total Gal. To Be Purged:

Purging System: Low Flow

Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1240	0	21.9	-119.6	364.9	6.50	82.0	0.66		Duplicate 1	TH
	1245	.25	21.4	-127.6	366.5	6.53	79.3	0.32			
	1250	.50	21.4	-128.1	367.0	6.55	75.7	0.31			
	1255	.75	21.6	-129.8	368.7	6.54	73.9	0.30			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-12I

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): 21.67
Standing Water Column (Ft.): _____
Total Gallons Purged: 0.75
Containerized? (Yes) No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1215	0	21.4	-5.1	105.3	6.78	65.5	0.48			TH
	1220	.25	21.5	-10.0	105.4	6.74	45.5	0.43			
	1225	.50	21.6	-9.7	105.5	6.74	45.8	0.44			
	1230	.75	21.7	-9.8	105.6	6.74	45.7	0.42			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-14

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 16.31
Standing Water Column (Ft.):
Total Gallons Purged: 0.75
Containerized? Yes No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/17	1310	0	19.6	100.3	36.0	5.16	50.3	0.57			TH
	1315	.25	18.6	88.5	37.0	5.20	42.3	0.48			
	1320	.50	18.7	85.6	37.0	5.20	41.9	0.47			
	1325	.75	18.6	87.3	36.3	5.17	44.5	0.46			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-14I

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): 16.51
Standing Water Column (Ft.): _____
Total Gallons Purged: 0.75
Containerized? Yes No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/17	1245	0	18.3	185.0	33.7	5.71	216	3.64			TH
	1250	.25	18.2	181.0	33.5	5.71	222	3.75			
	1255	.50	18.3	182.5	33.4	5.71	230	3.75			
	1300	.75	18.3	183.2	33.4	5.71	237	3.73			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

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Client:

Job Number: 3570

Site: Westside Quick Stop

Well Number: MW-15

Total Well Depth:

Well Diameter:

Borehole Diameter:

Min. Number Well Vol. To Be Purged:

Vol. Per Vertical Ft. Casing (Gal.):

Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.):

Standing Water Column (Ft.):

Total Gallons Purged:

Containerized? Yes No

Amt. One Well Vol. (Gal.):

Total Gal. To Be Purged:

Purging System: Low Flow

Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
											TH
			Could Not Locate								
			Not Sampled								

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-15I

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): _____
Standing Water Column (Ft.): _____
Total Gallons Purged: _____
Containerized? Yes No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
											TH
			Could Not Locate								
				Not Sampled							

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside Quick Stop

Well Number: MW-16

Total Well Depth:

Well Diameter:

Borehole Diameter:

Min. Number Well Vol. To Be Purged:

Vol. Per Vertical Ft. Casing (Gal.):

Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.):

Standing Water Column (Ft.):

Total Gallons Purged:

Containerized? Yes No

Amt. One Well Vol. (Gal.):

Total Gal. To Be Purged:

Purging System: Low Flow

Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
											TH
			Well		Destroyed						
				Pad		Located					

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-16I

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): 17.21
Standing Water Column (Ft.): _____
Total Gallons Purged: 1.00
Containerized? Yes No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/17	1500	0	19.7	89.0	37.2	5.21	1155	1.20			TH
	1505	.25	17.4	109.1	22.4	5.38	155	4.63			
	1510	.50	17.2	127.7	21.2	5.40	43.4	4.98			
	1515	.75	17.2	130.4	21.0	5.40	44.8	4.99			
	1520	1.00	17.2	135.9	21.0	5.40	42.9	5.01			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-17

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): _____
Standing Water Column (Ft.): _____
Total Gallons Purged: _____
Containerized? Yes No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
											TH

Well obstructed by Construction Debris

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-17I

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): _____
Standing Water Column (Ft.): _____
Total Gallons Purged: _____
Containerized? Yes No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
											TH

Well obstructed by Construction Debris

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside Quick Stop

Well Number: MW-18

Total Well Depth:

Well Diameter:

Borehole Diameter:

Min. Number Well Vol. To Be Purged:

Vol. Per Vertical Ft. Casing (Gal.):

Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.):

Standing Water Column (Ft.):

Total Gallons Purged:

Containerized? Yes No

Amt. One Well Vol. (Gal.):

Total Gal. To be Purged:

Purging System: Low Flow

Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
											TH

Well Obstructed by Large Construction Debris Pile

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside Quick Stop

Well Number: MW-18I

Total Well Depth:

Well Diameter:

Borehole Diameter:

Min. Number Well Vol. To Be Purged:

Vol. Per Vertical Ft. Casing (Gal.):

Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.):

Standing Water Column (Ft.):

Total Gallons Purged:

Containerized? Yes No

Amt. One Well Vol. (Gal.):

Total Gal. To Be Purged:

Purging System: Low Flow

Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
											TH

Well obstructed by Construction Debris

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-20

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 24.45
Standing Water Column (Ft.):
Total Gallons Purged: 1.00
Containerized? Yes ~~No~~

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/19	915	0	19.7	-2.5	129.6	5.90	239	1.61		TB-2: 830	TH
	920	.25	19.6	-28.3	134.4	5.89	90.6	0.67		FB-2: 900	
	925	.50	19.5	-36.4	133.9	5.88	60.4	0.47			
	930	.75	19.5	-37.4	133.2	5.88	58.9	0.45			
	935	1.00	19.5	-39.5	133.0	5.88	61.5	0.46			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-21

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.05
Standing Water Column (Ft.):
Total Gallons Purged: 1.00
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1340	0	21.6	-85.3	287.4	6.32	49.5	0.24		Duplicate 2	TH
	1345	.25	21.5	-89.9	288.6	6.35	51.1	0.19			
	1350	.50	21.4	-92.1	288.7	6.36	40.6	0.17			
	1355	.75	21.6	-93.5	291.0	6.36	39.4	0.16			
	1400	1.00	21.7	-95.2	293.3	6.36	40.5	0.16			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

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Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-22

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.29
Standing Water Column (Ft.):
Total Gallons Purged: 0.75
Containerized? Yes No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1125	0	21.0	91.2	336.9	5.91	161	0.57		Replaced well	TH
	1130	.25	21.0	90.6	301.3	5.90	144	0.55		CAP	
	1135	.50	21.0	87.2	299.7	5.90	140	0.51			
	1140	.75	21.0	85.1	295.0	5.90	132	0.53			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-22I

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.35
Standing Water Column (Ft.):
Total Gallons Purged: 0.75
Containerized? Yes (No)

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1150	0	21.0	66.2	171.6	5.71	165	0.62			TH
	1155	.25	21.1	65.1	192.3	5.65	172	0.65			
	1200	.50	21.1	65.4	200.0	5.60	175	0.67			
	1205	.175	21.2	66.2	201.2	5.57	180	0.66			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-24

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.):
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/18											TH
		Free Product: 22.38' - 23.65									

Not Sampled

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside Quick Stop

Well Number: MW-25

Total Well Depth:

Well Diameter:

Borehole Diameter:

Min. Number Well Vol. To Be Purged:

Vol. Per Vertical Ft. Casing (Gal.):

Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.66

Standing Water Column (Ft.):

Total Gallons Purged: 0.75

Containerized? Yes No

Amt. One Well Vol. (Gal.):

Total Gal. To Be Purged:

Purging System: Low Flow

Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1410	0	21.9	-121.6	201.6	6.21	172	0.41			TH
	1415	.25	21.8	-130.9	225.2	6.25	201	0.42			
	1420	.50	21.8	-137.2	225.5	6.28	209	0.42			
	1425	.75	21.8	-133.5	226.9	6.30	211	0.42			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-26

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.51
Standing Water Column (Ft.):
Total Gallons Purged: 0.75
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1100	0	22.9	169.2	47.0	4.92	39.7	3.68			TH
	1105	.25	22.1	206.0	51.2	4.71	172	1.43			
	1110	.50	22.1	214.8	51.2	4.70	168	1.32			
	1115	.75	22.1	216.7	51.2	4.69	160	1.30			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-26I

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.60
Standing Water Column (Ft.):
Total Gallons Purged: 0.75
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1035	0	21.4	55.6	43.4	5.95	285	6.32			TH
	1040	.25	21.3	75.3	42.6	5.93	144	6.57			
	1045	.50	21.3	76.1	39.8	5.89	139	6.65			
	1050	.75	21.3	80.8	39.3	5.85	135	6.67			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-27

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.35
Standing Water Column (Ft.):
Total Gallons Purged: 0.75
Containerized? Yes (No)

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/17	930	0	19.4	209.0	37.8	5.51	315	6.14			TH
	935	.25	19.4	239.5	40.8	4.97	386	7.25			
	940	.50	19.4	244.1	41.0	4.96	391	7.24			
	945	.75	19.3	247.5	41.0	4.95	375	7.26			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-27I

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.41
Standing Water Column (Ft.):
Total Gallons Purged: 1.00
Containerized? Yes No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/17	900	0	18.5	150.4	46.1	5.73	1573	7.47		TB-1 :830	TH
	905	.25	18.9	190.3	40.1	5.54	229	6.24		FB-1 :845	
	910	.50	18.9	198.8	39.3	5.51	81.6	5.91			
	915	.75	19.0	202.4	38.5	5.48	76.9	5.86			
	920	1.00	19.0	203.1	37.0	5.47	79.6	5.87			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-28

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 22.66
Standing Water Column (Ft.):
Total Gallons Purged: 0.75
Containerized? Yes No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
4/17	1110	0	18.4	276.6	38.3	4.60	981	5.58			TH
	1115	.25	18.5	286.9	38.3	4.57	141	5.60			
	1120	.50	18.4	287.6	38.3	4.57	134	5.71			
	1125	.75	18.5	288.1	38.3	4.57	128	5.67			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: MW-X

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): 23.52
Standing Water Column (Ft.): _____
Total Gallons Purged: 0.75
Containerized? (Yes) No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1435	0	21.7	-101.2	171.6	7.00	102	0.25			TH
	1440	.25	21.8	-105.6	172.3	5.91	157	0.31			
	1445	.50	22.0	-107.2	174.5	5.81	150	0.33			
	1450	.75	22.1	-109.3	175.6	5.82	149	0.35			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside Quick Stop

Well Number: MW-XR

Total Well Depth:

Well Diameter:

Borehole Diameter:

Min. Number Well Vol. To Be Purged:

Vol. Per Vertical Ft. Casing (Gal.):

Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.62

Standing Water Column (Ft.):

Total Gallons Purged: 0.75

Containerized? (Yes) No

Amt. One Well Vol. (Gal.):

Total Gal. To Be Purged:

Purging System: Low Flow

Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
5/8	1500	0	22.2	-106.1	202.3	5.67	96.5	0.09			TH
	1505	.25	22.3	-202.3	205.7	5.72	99.2	0.09			
	1510	.50	22.3	-205.1	210.2	5.72	100.0	0.10			
	1515	.75	22.2	-211.9	211.1	5.74	109.2	0.10			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client: _____
Job Number: 3570
Site: Westside Quick Stop
Well Number: _____

Total Well Depth: _____
Well Diameter: _____
Borehole Diameter: _____

Min. Number Well Vol. To Be Purged: _____
Vol. Per Vertical Ft. Casing (Gal.): _____
Vol. Per Linear Well Feet (Gal./Ft.): _____

Static Water Level (Ft.): _____
Standing Water Column (Ft.): _____
Total Gallons Purged: _____
Containerized? Yes No

Amt. One Well Vol. (Gal.): _____
Total Gal. To Be Purged: _____

Purging System: Low Flow
Sampling System: Low Flow

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	ORP (mV)	EC (uS/cm)	pH	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
											TH
			Product thicknesses								
		RW-1: ~~None~~ 22.88-23.44									
		RW-2: 22.33-23.55									
		RW-3: None									
		RW-4: None									
		RW-5: 22.66-22.72									
		RW-6: None									
		RW-7: 21.78-21.81									
		RW-8: None									

FINAL TURBIDITY:

INJECTION FIELD SHEETS

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-1

Total Well Depth: 37' R
Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/19	1140	37-32	17,368.63	81.49	80	TH
	1158	32-27	17,450.12	81.66		
	1300	27-22	17,531.78	85.01		
	1400	26-21	17,616.79	87.84		
	1417	↑	17,704.63			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client: _____

Job Number: 3570

Site: Westside

Well Number: IW-2

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected: _____

Water Table _____

Total Gal. Injected: _____

Injection System: GP800

Total Gallons Injected: _____

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/19	1140	35-30	19,958.78	81.43	30	TH
	1210	30-25	20,040.21	159.70		
	1315	25-21	20,199.91	81.88		
	1420		20,281.79			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-3

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/19	1140	35-30	28,257.31	82.69	50	TH
	1215	30-25	28,340.00	81.65		
		26-21	28,421.65	171.66		
			28,593.31			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-4

Total Well Depth: ~~35~~ 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/19	1525	35-30	17,704.63	85.58	30	TH
		30-25	17,790.21	84.80		
		25-21	17,875.01	175.98		
			18,050.99			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-5

Total Well Depth: 34' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/19	1525	34-29	20,281.79	80.61	12.5	TH
		29-24	20,362.40	81.20		
	26-21		20,443.60	179.30		
			20,622.90			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-6

Total Well Depth: 35'

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/19	1525	35-30	28,593.31	79.06	0	TH
		30-25	28,672.37	81.08		
		26-21	28,753.45	176.86		
		↑	28,930.31			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-7

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/20	835	35-30	18,050.99	82.71	15	TH
	900	30-25	18,133.70	77.63		
	945	25-21	18,211.33	177.28		
	1050		18,388.61			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-8

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/20	835	35-30	20,622.90	80.00	45	TH
	915	30-25	20,702.90	80.11		
	935	25-21	20,783.01	176.21		
	1050		20,959.22			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-9

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/20	835	35-30	28,930.31	79.17	29	TH
	900	30-25	29,009.48	78.93		
	955	25-21	29,088.41	170.65		
	1100		29,259.06			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-10

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/20	1300	35-30	29,259.06	81.44	45	TH
	1345	30-25	29,340.50	80.66		
	1415	25-21	29,421.16	175.75		
	1510		29,596.91			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-11

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/20	1300	35-30	20,959.22	80.22	90	TH
	1337	30-25	21,039.44	80.38		
	1400	25-21	21,119.82	176.14		
	1530	↑	21,295.96			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-12

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/20	1300	35-30	18,388.61	80.25	15	TH
	1330	30-25	18,468.86	80.40		
	1400	25-21	18,549.26	176.55		
	1500		18,725.81			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-13

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/21	900	35-30	29,596.91	80.47	30	TH
		30-25	29,677.38	80.26		
		25-21	29,757.64	176.30		
	1120		29,933.94			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-14

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/21	900	35-30	21,295.96	80.21	30	TH
		30-25	21,376.17	80.62		
		25-21	21,456.19	177.91		
	1120		21,634.10			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-15

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/21	900	35-30	18,725.81	80.35	30	TH
		30-25	18,806.16	81.21		
		26-21	18,887.37	176.44		
	1120		19,063.81			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-16

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/21	1400	35-30	29,933.94	80.72	115	TH
	1430	30-25	30,014.66	81.77		
	1500	25-21	30,096.43	174.42		
	1600		30,270.85			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-17

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/21	1400	35-30	21,634.10	80.63	120	TH
	1500	30-25	21,714.73	80.11		
	1530	25-21	21,794.84	175.22		
	1615	↑	21,970.06			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-18

Total Well Depth: 35.12

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/21	1415	35-30	19,063.81	80.00	80	TH
	1445	30-25	19,143.81	80.00		
	1530	25-21	19,223.81	176.00		
	1630		19,399.81			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-19

Total Well Depth:

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/22	900	35-30	19,399.81	80.66	120	TH
	945	30-25	19,480.47	81.24		
	1020	25-21	19,561.71	176.91		
	1130	T	19,738.62			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-20

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/22	900	35-30	21,970.06	81.11	100	TH
	950	30-25	22,051.17	82.26		
	1020	25-21	22,133.43	173.39		
	1130		22,306.82			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-21

Total Well Depth: 35'12

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/22	900	35-30	30,270.85	80.19	130	TH
	940	30-25	30,351.04	79.63		
	1020	25-21	30,430.67	177.77		
	1135		30,608.44			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-22

Total Well Depth: 35' R
Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table
Total Gallons Injected:

Total Gal. Injected:

Injection System: GP800

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/22	1230	35-30	0.00	81.64	115	TH
		30-25	81.64	82.22		
		25-21	163.86	173.33		
	1630	↑	337.19			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-23

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/22	1230	35-30	0.00	81.20	100	TH
		30-25	81.20	80.51		
		26-21	161.71	176.61		
	1600	↑	338.32			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-24

Total Well Depth:

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/22	1730	35-30	0.00	80.09	80	TH
		30-25	80.09	80.07		
		26-21	160.16	174.21		
	1630		334.37			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-27

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/23	850	35-30	334.37	75.63	60	TH
	915	30-25	410.00	82.91		
	1045	26-21	492.91	178.88		
	1130		671.79			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-25

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/23	850	35-30	337.19	80.88	90	TH
	1000	30-25	418.07	81.21		
	1100	26-21	499.28	174.55		
	1130		673.83			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-26

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/23	850	35-30	338.32	79.16	45	TH
	930	30-25	417.48	81.25		
	1000	26-21	498.73	179.33		
	1130	↑	678.06			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-28

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/24	1230	35-30	673.83	81.63	60	TH
	1315	30-25	755.46	80.37		
	1420	26-21	835.73	169.99		
	1600	↑	1,005.72			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-29

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/23	1230	35-30	678.06	82.91	45	TH
	1320	30-25	760.97	81.63		
	1400	26-21	842.66	176.21		
	1530		1,018.81			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-30

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/23	1230	35-30	671.79	81.25	45	TH
	1320	30-25	753.04	80.99		
	1500	26-21	834.03	174.35		
	1615	↑	1,008.38			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-31

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/27	1030	35-30	1005.72	80.44	90	TH
	1110	30-25	1,086.16	80.57		
	1145	26-21	1,166.73	176.91		
	1230		1,343.64			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: ICW-32

Total Well Depth: 35'R
Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table
Total Gallons Injected:

Total Gal. Injected:

Injection System: GP800

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/27	1030	35-30	1,618.81	80.65	90	TH
	1110	30-25	1,099.46	81.21		
	1145	26-21	1,180.67	[redacted] 176.25		
	1230	↑	1,356.92			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-33

Total Well Depth: 35' R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/27	1030	35-30	1,008.38	80.29	100	TH
	1110	30-25	1,088.60	80.39		
	1145	25-21	1,168.99	174.11		
	1230		1,343.10			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-34

Total Well Depth: 35 R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/27	1300	35-30	1,343.10	80.77	130	TH
	1400	30-25	1,423.87	79.25		
	1500	26-21	1,503.12	175.31		
	1600		1,678.43			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-35

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/27	1300	35-30	1,343.64	81.21	60	TH
	1400	30-25	1,424.85	80.03		
	1500	26-21	1,504.88	175.00		
	1600	↑	1,679.88			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-36

Total Well Depth: 35R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
		35-30				
5/28	←	830	1,679.88	80.41	75	TH
	915	30-25	1,760.29	81.25		
	945	26-21	1,841.54	176.35		
	1030	↑	2,017.89			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-37

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/28	830	35-30	1,678.43	81.53	45	TH
	1000	30-25	1,759.96	80.49		
	945	26-21	1,840.45	175.51		
	1045		2,015.96			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-38

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/28	830	35-30	1,343.10	83.21	30	TH
	915	30-25	1,426.31	80.00		
	1000	26-21	1,506.31	176.10		
	1100	↑	1,682.41			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-39

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/28	1145	35-30	2,017.89	80.43	15	TH
	1301	30-25	2,098.32	81.27		
	1530	26-21	2,179.59	176.91		
	1600	↑	2,356.50			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-40

Total Well Depth: 35' R
Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table
Total Gallons Injected:

Total Gal. Injected:

Injection System: GP800

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/28	1145	35-30	2,015.96	80.66	30	TH
	1250	30-25	2,096.62	81.71		
	1340	26-21	2,178.33	176.35		
	1545	↑	2,354.68			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-41

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/28	1145	35-30	1,682.41	80.99	30	TH
	1245	30-25	1,763.40	82.01		
	1530	26-21	1,845.41	176.03		
	1600	↑	2,021.44			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-42

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/29	850	35-30	2,356.50	80.45	45	TH
	920	30-25	2,436.95	80.91		
	950	26-21	2,517.86	175.36		
	1030		2,693.22			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-43

Total Well Depth: 35.12
Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table
Total Gal. Injected:
Injection System: GP800
Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/29	850	35-30	2,354.68	80.33	45	TH
	910	30-25	2,435.01	80.56		
	950	26-21	2,515.57	177.20		
	1030	↑	2,692.77			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-44

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/29	850	35-30	2,021.44	80.61	60	TH
	925	30-25	2,102.05	81.22		
	950	26-21	2,183.27	176.40		
	1030	↑	2,359.67			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-45

Total Well Depth: 35'12
Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gallons Injected:

Total Gal. Injected:

Injection System: GP800

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/29	1130	35-30	2,693.22	80.12	90	TH
	1215	30-25	2,773.34	81.26		
	1345	26-21	2,854.60	175.35		
	1530	↑	3,029.95			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW -4b

Total Well Depth: 35' R
Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/29	1130	35-30	2,692.77	81.65	160	TH
	1300	30-25	2,774.42	80.49		
	1430	26-21	2,854.91	175.33		
	1600		3,030.24			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-47

Total Well Depth: 35' R
Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table
Total Gallons Injected:

Total Gal. Injected:

Injection System: GP800

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/29	1130	35-30	2,359.67	81.21	90	TH
	1300	30-25	2,440.88	80.63		
	1500	26-21	2,521.51	170.75		
	1615		2,692.26			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-48

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/30	910	35-30	2692.26	80.43	45	TH
	1145	30-25	2772.69	81.26		
	1215	26-21	2,853.95	174.25		
	1300	↑	3,028.20			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-49

Total Well Depth: 35'R

Well Diameter: 1.5

Min. Number Well Vol. To Be Injected:

Water Table

Total Gal. Injected:

Injection System: GP800

Total Gallons Injected:

DATE	TIME	INTERVAL	FLOW METER READING	VOLUME INJECTED	INJECTION PRESSURE	LOGGED BY
5/30	910	35-30	3030.24	81.77	115	TH
	1115	30-25	3112.01	80.59		
	1215	26-21	3192.60	176.20		
	1330	↑	3368.80			
		Final				

COMMENTS: - Approximately 223 Pounds of RegenOx Injected

RECOVERY WELLWATER WELL RECORD FORMS

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Shree Gajvakra LLC (last) (first)
Address: 821 W Parker Rd
City: Greenville State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: RW-4 **COUNTY:** Greenville
Name: Westside Quick Stop
Street Address: 821 W Parker Rd
City: Greenville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: UST **PUBLIC SYSTEM NUMBER:** 12430

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
see Geologist Logs		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-30143

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 5/5/25
42 ft. Date Completed: 5/6/25

10. CASING: ☑ Threaded ☐ Welded
Diam.: 4"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
4" in. to 22' ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 4"
Slot/Gauge: 0.010 Length: 20'
Set Between: 22' ft. and 42' ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 20' ft. to 42' ft.
Effective size 20/40 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 20' ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft._____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B ✓ C D (circle one)
PO Box 8446
Columbia, SC, 29202
Telephone No.: 803-351-7936 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: William Walker Digitally signed by William Walker DN: cn=William Walker, o=Walker, ou=Walker, email=wwenvironmental@gmail.com, c=US Date: 2025.05.08 09:43:25 -04'00' Date: 5/8/25
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

DHEC
PROMOTE PROTECT PROSPER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Shree Gajvakra LLC
(last) (first)
Address: 821 W Parker Rd
City: Greenville State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: RW-5 **COUNTY:** Greenville
Name: Westside Quick Stop
Street Address: 821 W Parker Rd
City: Greenville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: UST **PUBLIC SYSTEM NUMBER:** 12430

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
see Geologist Logs		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-30143

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 5/5/25
42 ft. Date Completed: 5/6/25

10. CASING: ☑ Threaded ☐ Welded
Diam.: 4"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
4" in. to 22' ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 4"
Slot/Gauge: 0.010 Length: 20'
Set Between: 22' ft. and 42' ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 20' ft. to 42' ft.
Effective size 20/40 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 20' ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft._____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B ✓ C D (circle one)
PO Box 8446
Columbia, SC, 29202
Telephone No.: 803-351-7936 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

William Walker Digitally signed by William Walker DN: cn=William Walker, o=Walker, ou=Walker, email=wwenvironmental@gmail.com, c=US Date: 2025.05.08 09:43:37 -04'00'
Signed: _____ Date: 5/8/25
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Shree Gajvakra LLC (last) (first)
Address: 821 W Parker Rd
City: Greenville State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: RW-6 **COUNTY:** Greenville
Name: Westside Quick Stop
Street Address: 821 W Parker Rd
City: Greenville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: UST **PUBLIC SYSTEM NUMBER:** 12430

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
see Geologist Logs		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-30143

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 5/5/25
42 ft. Date Completed: 5/6/25

10. CASING: ☑ Threaded ☐ Welded
Diam.: 4"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
4" in. to 22' ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 4"
Slot/Gauge: 0.010 Length: 20'
Set Between: 22' ft. and 42' ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 20' ft. to 42' ft.
Effective size 20/40 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 20' ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft. _____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B ✓ C D (circle one)
PO Box 8446
Columbia, SC, 29202
Telephone No.: 803-351-7936 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: William Walker Digitally signed by William Walker DN: cn=William Walker, o=Walker, ou=Walker, email=wwenvironmental@gmail.com, c=US Date: 2025.05.08 09:43:53 -04'00' Date: 5/8/25
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Shree Gajvakra LLC (last) (first)
Address: 821 W Parker Rd
City: Greenville State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: RW-7 **COUNTY:** Greenville
Name: Westside Quick Stop
Street Address: 821 W Parker Rd
City: Greenville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: UST **PUBLIC SYSTEM NUMBER:** 12430

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
see Geologist Logs		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-30143

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 5/5/25
42 ft. Date Completed: 5/6/25

10. CASING: ☑ Threaded ☐ Welded
Diam.: 4"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
4" in. to 22' ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 4"
Slot/Gauge: 0.010 Length: 20'
Set Between: 22' ft. and 42' ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 20' ft. to 42' ft.
Effective size 20/40 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 20' ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft._____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B ✓ C D (circle one)
PO Box 8446
Columbia, SC, 29202
Telephone No.: 803-331-7936 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: William Walker Digitally signed by William Walker DN: cn=William Walker, o=Walker, ou=Walker, email=wwenvironmental@gmail.com, c=US Date: 2025.05.08 09:44:05 -04'00' Date: 5/8/25
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Shree Gajvakra LLC (last) (first)
Address: 821 W Parker Rd
City: Greenville State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: RW-8 **COUNTY:** Greenville
Name: Westside Quick Stop
Street Address: 821 W Parker Rd
City: Greenville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: UST **PUBLIC SYSTEM NUMBER:** 12430

4. ABANDONMENT: ☐ Yes ☑ No
Give Details Below
Grouted Depth: from _____ ft. to _____ ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
see Geologist Logs		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:

6. TYPE: ☐ Mud Rotary ☐ Jetted ☑ Bored ☐ Dug ☐ Air Rotary ☐ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-30143

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☐ Test Well ☑ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 5/5/25
42 ft. Date Completed: 5/6/25

10. CASING: ☑ Threaded ☐ Welded
Diam.: 4"
Type: ☑ PVC ☐ Galvanized ☐ Steel ☐ Other
4" in. to 22' ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: PVC Diam.: 4"
Slot/Gauge: 0.010 Length: 20'
Set Between: 22' ft. and 42' ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☑ Yes ☐ No
Installed from 20' ft. to 42' ft.
Effective size 20/40 Uniformity Coefficient _____

16. WELL GROUTED? ☑ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☑ Bentonite/Cement ☐ Other _____
Depth: From 0 ft. to 20' ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft._____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B ✓ C D (circle one)
PO Box 8446
Columbia, SC, 29202
Telephone No.: 803-351-7936 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: William Walker Digitally signed by William Walker DN: cn=William Walker, o=Walker, ou=Walker, email=wwenvironmental@gmail.com, c=US Date: 2025.05.08 09:44:23 -04'00' Date: 5/8/25
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

INJECTION WELL WATER WELL RECORD FORMS

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Shree Gajvakra LLC (last) (first)
Address: 205 Fairway Dr
City: Laurens State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Greenville
Name: Westside Quick Stop
Street Address: 821 W Parker Rd
City: Greenville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: UST **PUBLIC SYSTEM NUMBER:** 12430

4. ABANDONMENT: ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 37 ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
IW-1		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
Injection Wells

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-30143

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 5/19/25
37' ft. Date Completed: 5/30/25

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☑ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft._____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B ✓ C D (circle one)
PO Box 8446
Columbia, SC, 29202
Telephone No.: 803-331-7936 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: William Walker Digitally signed by William Walker DN: cn=William Walker, o=Walker, ou=Walker, email=wwenvironmental@gmail.com, c=US Date: 2025.06.13 10:45:38 -04'00' Date: 6/13/25
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Shree Gajvakra LLC (last) (first)
Address: 205 Fairway Dr
City: Laurens State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Greenville
Name: Westside Quick Stop
Street Address: 821 W Parker Rd
City: Greenville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: UST **PUBLIC SYSTEM NUMBER:** 12430

4. ABANDONMENT: ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 34' ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
IW-5		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
Injection Wells

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-30143

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 5/19/25
34' ft. Date Completed: 5/30/25

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☑ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft._____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B ✓ C D (circle one)
PO Box 8446
Columbia, SC, 29202
Telephone No.: 803-331-7936 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

William Walker Digitally signed by William Walker DN: cn=William Walker, o=Walker, ou=Walker, email=wwenvironmental@gmail.com, c=US Date: 2025.06.13 10:45:55 -04'00'

Signed: _____ Date: 6/13/25
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Shree Gajvakra LLC (last) (first)
Address: 205 Fairway Dr
City: Laurens State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Greenville
Name: Westside Quick Stop
Street Address: 821 W Parker Rd
City: Greenville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: UST **PUBLIC SYSTEM NUMBER:** 12430

4. ABANDONMENT: ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 35' ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
IW-2,3,4		
IW-6 through IW-49		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
Injection Wells

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-30143

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 5/19/25
35' ft. Date Completed: 5/30/25

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☑ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☑ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft._____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B ✓ C D (circle one)
PO Box 8446
Columbia, SC, 29202
Telephone No.: 803-331-7936 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: William Walker Digitally signed by William Walker DN: cn=William Walker, o=Walker, ou=Walker, email=wwenvironmental@gmail.com, c=US Date: 2025.06.13 10:46:12 -04'00' Date: 6/13/25
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

GEOLOGIST LOGS

ENVIROSOUTH Environmental Consultants

GEOLOGIST LOG

Boring/Well No.: RW-4

Project: Westside Quick Stop	**Location:** 821 W. Parker Road Greenville, South Carolina	**Logged By:** Trever Hudson

County: Greenville **State:** South Carolina	**Latitude/Longitude:**	**Drilling/Installation Date:** May 5, 2025	**Drilled Depth:** 42 feet	**Well Depth:** 42 feet

Driller: William Walker (B-2042) **Drilling Company:** Walker Environmental	**Method:** 6.25" Hollow Stem Auger **Equipment:** Geoprobe 7822 DT	**Development Method:** Over pumping **Sampling Method:** Low Flow

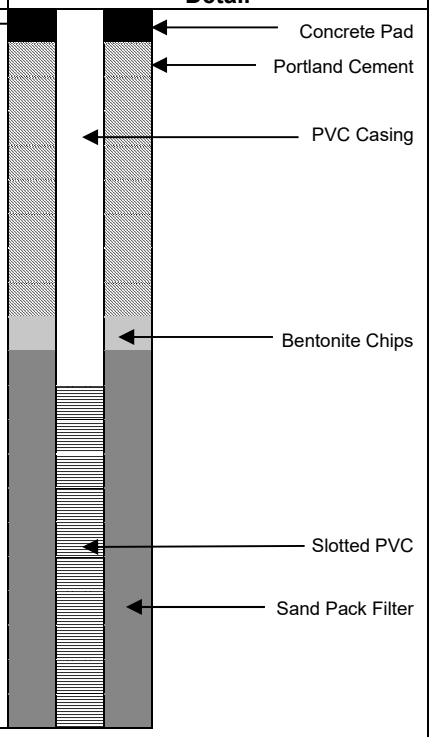
TOC Elevation: 1006.72	**Ground Elevation:** 1007.02	**Static Water Level/Date:** NR	**Reference Point:** TOC	**Groundwater Elevation:** NR

Casing Type: Schedule 40 PVC	**Casing Diameter:** 2-inch	**Depth Interval** 0 - 22 feet	**Hole Diameter** 8.0"
Screen Type: Schedule 40 PVC	**Screen Diameter:** 2-inch	**Depth Interval:** 22 -42 feet	**Slot Size:** 0.010-inch

Grout: Portland Type I **Interval:** 0 – 18 feet	**Seal:** Bentonite Chips **Interval:** 18 – 20 feet	**Gravel Pack:** No. 2 Sand **Interval:** 20 - 42 feet

Depth	PID Test Data (ppm)	Lithology / Remarks
		Asphalt
		Reddish-brown fine sandy silt; dry; petroleum odor
10		
20		- reddish tan fine sandy silt with relict crystal structure present; moist
30		- wet
40		Total depth = 42 feet
50		
60		

Well Construction Detail



Notes:

Job No. 3570	Grid No.:	Page 1 of 1

ENVIROSOUTH Environmental Consultants

GEOLOGIST LOG

Boring/Well No.: RW-5

Project: Westside Quick Stop	**Location:** 821 W. Parker Road Greenville, South Carolina	**Logged By:** Trever Hudson

County: Greenville **State:** South Carolina	**Latitude/Longitude:**	**Drilling/Installation Date:** May 5, 2025	**Drilled Depth:** 42 feet	**Well Depth:** 42 feet

Driller: William Walker (B-2042) **Drilling Company:** Walker Environmental	**Method:** 6.25" Hollow Stem Auger **Equipment:** Geoprobe 7822 DT	**Development Method:** Over pumping **Sampling Method:** Low Flow

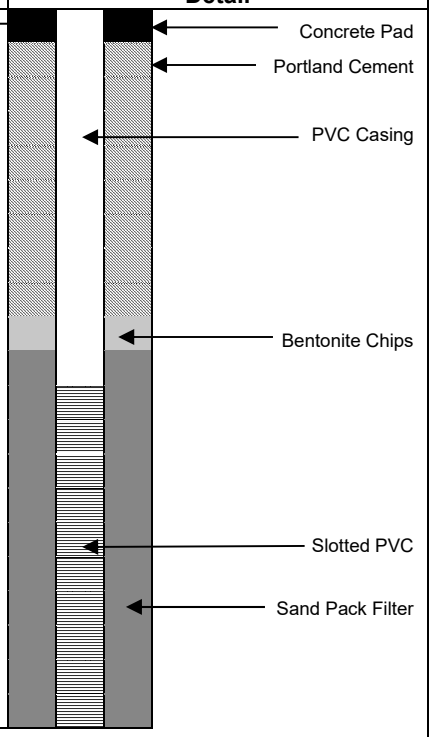
TOC Elevation: 1006.41	**Ground Elevation:** 1006.71	**Static Water Level/Date:** 22.72/05-18-25	**Reference Point:** TOC	**Groundwater Elevation:** 983.65*

Casing Type: Schedule 40 PVC	**Casing Diameter:** 2-inch	**Depth Interval** 0 - 22 feet	**Hole Diameter** 8.0"
Screen Type: Schedule 40 PVC	**Screen Diameter:** 2-inch	**Depth Interval:** 22 -42 feet	**Slot Size:** 0.010-inch

Grout: Portland Type I **Interval:** 0 – 18 feet	**Seal:** Bentonite Chips **Interval:** 18 – 20 feet	**Gravel Pack:** No. 2 Sand **Interval:** 20 - 42 feet

Depth	PID Test Data (ppm)	Lithology / Remarks
		Asphalt
		Reddish-brown fine sandy silt; dry; petroleum odor
10		
20		- reddish tan fine sandy silt with relict crystal structure present; moist
30		- wet
40		Total depth = 42 feet
50		
60		

Well Construction Detail



Notes: *Groundwater Elevation corrected for wells containing free-phase product using the formula GW Elevation = TOC Elevation – [depth to water + (free product thickness * 0.75)] where gasoline has an assumed specific gravity of 0.75 g/cm^3.

Job No. 3570	Grid No.:	Page 1 of 1

ENVIROSOUTH Environmental Consultants

GEOLOGIST LOG

Boring/Well No.: RW-6

Project: Westside Quick Stop	**Location:** 821 W. Parker Road Greenville, South Carolina	**Logged By:** Trever Hudson

County: Greenville **State:** South Carolina	**Latitude/Longitude:**	**Drilling/Installation Date:** May 5, 2025	**Drilled Depth:** 42 feet	**Well Depth:** 42 feet

Driller: William Walker (B-2042) **Drilling Company:** Walker Environmental	**Method:** 6.25" Hollow Stem Auger **Equipment:** Geoprobe 7822 DT	**Development Method:** Over pumping **Sampling Method:** Low Flow

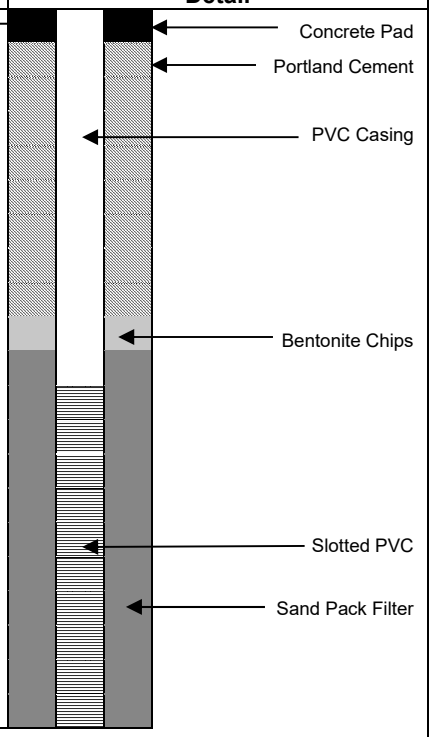
TOC Elevation: 1005.69	**Ground Elevation:** 1005.99	**Static Water Level/Date:** NR	**Reference Point:** TOC	**Groundwater Elevation:** NR

Casing Type: Schedule 40 PVC	**Casing Diameter:** 2-inch	**Depth Interval** 0 - 22 feet	**Hole Diameter** 8.0"
Screen Type: Schedule 40 PVC	**Screen Diameter:** 2-inch	**Depth Interval:** 22 -42 feet	**Slot Size:** 0.010-inch

Grout: Portland Type I **Interval:** 0 – 18 feet	**Seal:** Bentonite Chips **Interval:** 18 – 20 feet	**Gravel Pack:** No. 2 Sand **Interval:** 20 - 42 feet

Depth	PID Test Data (ppm)	Lithology / Remarks
		Asphalt
		Reddish-brown fine sandy silt; dry; petroleum odor
10		
20		- reddish tan fine sandy silt with relict crystal structure present; moist
30		- wet
40		Total depth = 42 feet
50		
60		

Well Construction Detail



Job No. 3570	Grid No.:	Page 1 of 1

ENVIROSOUTH Environmental Consultants

GEOLOGIST LOG

Boring/Well No.: RW-7

Project: Westside Quick Stop	**Location:** 821 W. Parker Road Greenville, South Carolina	**Logged By:** Trever Hudson

County: Greenville **State:** South Carolina	**Latitude/Longitude:**	**Drilling/Installation Date:** May 5, 2025	**Drilled Depth:** 42 feet	**Well Depth:** 42 feet

Driller: William Walker (B-2042) **Drilling Company:** Walker Environmental	**Method:** 6.25" Hollow Stem Auger **Equipment:** Geoprobe 7822 DT	**Development Method:** Over pumping **Sampling Method:** Low Flow

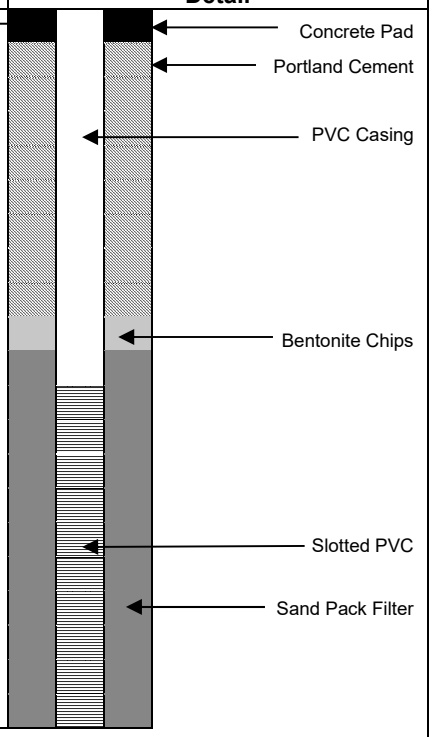
TOC Elevation: 1005.58	**Ground Elevation:** 1005.88	**Static Water Level/Date:** 21.81/05-18-25	**Reference Point:** TOC	**Groundwater Elevation:** 983.77*

Casing Type: Schedule 40 PVC	**Casing Diameter:** 2-inch	**Depth Interval** 0 - 22 feet	**Hole Diameter** 8.0"
Screen Type: Schedule 40 PVC	**Screen Diameter:** 2-inch	**Depth Interval:** 22 -42 feet	**Slot Size:** 0.010-inch

Grout: Portland Type I **Interval:** 0 – 18 feet	**Seal:** Bentonite Chips **Interval:** 18 – 20 feet	**Gravel Pack:** No. 2 Sand **Interval:** 20 - 42 feet

Depth	PID Test Data (ppm)	Lithology / Remarks
		Asphalt
		Reddish-brown sandy fine silt; dry; petroleum odor
10		
20		- red fine sandy silt with relict crystal structure present; moist
30		- wet
40		Total depth = 42 feet
50		
60		

Well Construction Detail



Notes: *Groundwater Elevation corrected for wells containing free-phase product using the formula GW Elevation = TOC Elevation – [depth to water + (free product thickness * 0.75)] where gasoline has an assumed specific gravity of 0.75 g/cm^3.

Job No. 3570	Grid No.:	Page 1 of 1

ENVIROSOUTH Environmental Consultants

GEOLOGIST LOG

Boring/Well No.: RW-8

Project: Westside Quick Stop	**Location:** 821 W. Parker Road Greenville, South Carolina	**Logged By:** Trever Hudson

County: Greenville **State:** South Carolina	**Latitude/Longitude:**	**Drilling/Installation Date:** May 5, 2025	**Drilled Depth:** 42 feet	**Well Depth:** 42 feet

Driller: William Walker (B-2042) **Drilling Company:** Walker Environmental	**Method:** 6.25" Hollow Stem Auger **Equipment:** Geoprobe 7822 DT	**Development Method:** Over pumping **Sampling Method:** Low Flow

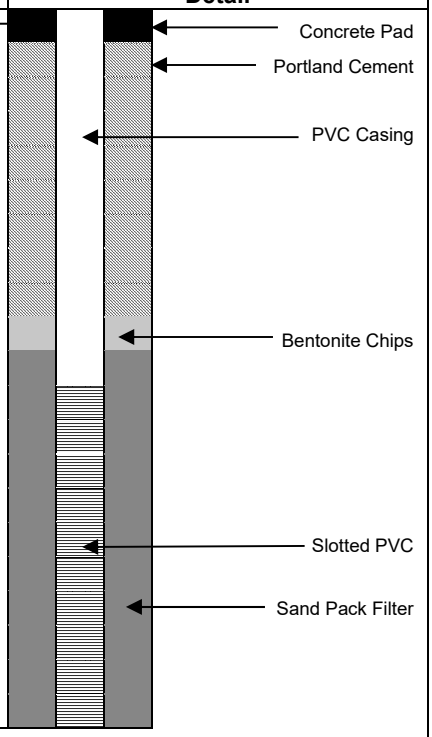
TOC Elevation: 1005.33	**Ground Elevation:** 1005.63	**Static Water Level/Date:** NR	**Reference Point:** TOC	**Groundwater Elevation:** NR

Casing Type: Schedule 40 PVC	**Casing Diameter:** 2-inch	**Depth Interval** 0 - 22 feet	**Hole Diameter** 8.0"
Screen Type: Schedule 40 PVC	**Screen Diameter:** 2-inch	**Depth Interval:** 22 -42 feet	**Slot Size:** 0.010-inch

Grout: Portland Type I **Interval:** 0 – 18 feet	**Seal:** Bentonite Chips **Interval:** 18 – 20 feet	**Gravel Pack:** No. 2 Sand **Interval:** 20 - 42 feet

Depth	PID Test Data (ppm)	Lithology / Remarks
		Asphalt
		Reddish-brown sandy fine silt; dry; petroleum odor
10		
20		- red fine sandy silt with relict crystal structure present; moist
30		- wet
40		Total depth = 42 feet
50		
60		

Well Construction Detail



Job No. 3570	Grid No.:	Page 1 of 1

WASTE DISPOSAL MANIFESTS

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address
EnviroSouth inc.
3440 Augusta Rd

Westside Quick stop

4. Generator's Phone ( )

5. Transporter 1 Company Name
EnviroSouth inc.

6. US EPA ID Number

A. State Transorter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
~~Waste~~ SC Waste 13775 E. Wade Hampton
~~15 Sulphur Springs Rd~~ Greer SC

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Petroleum Contact Water	1	tank	8	gal
b.				
c.				
d.				

G. Additonal Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Trevor Hudson
Signature:
Date: Month 5 Day 15 Year 25

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Trevor Hudson
Signature:
Date: Month 5 Day 15 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this malfest, except as noted in item 19.

Printed/Typed Name: Cindy M Jordan
Signature:
Date: Month 5 Day 15 Year 25

NON-HAZARDOUS WASTE

Please print or type.
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: 11646
2. Page 1 of
3. Emergency Response Phone
4. Waste Tracking Number

5. Generator's Name and Mailing Address: Shree Gajvabra LLC, 821 W Parker Rd, Greenville SC 29611

Generator's Site Address (if different than mailing address): Westside Quilt shop, 821 W Parker Rd, Greenville, SC, 29611

Generator's Phone:

6. Transporter 1 Company Name: Walker — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: RE Integrate, 425 Boulvard Rd, Sumter, SC, 29153 — U.S. EPA ID Number

Facility's Phone: 803-418-5314

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt. Vol.
1.	Soil / Water	1	trailer	3.8	T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's Offeror's Printed/Typed Name: William Walker as agent for — Signature: W. Walker — Month 5 Day 7 Year 25

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William Walker — Signature: W. Walker — Month 5 Day 7 Year 25

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a

Printed/Typed Name: Troy Turner — Signature — Month 3 Day 7 Year 25

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

Printed in USA by GC Labels
1-800-997-6966
Reorder Part# MANIFEST-C6NHW
913-897-5956

CONTRACTOR CHECKLIST

#12430

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the "No" box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	✓		
2	Is UST Owner/Operator name, address, & phone number provided?	✓		
3	Is name, address, & phone number of current property owner provided?	✓		
4	Is the SCDHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	✓		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?	✓		
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	✓		
7	Has the facility history been summarized?	✓		
8	Has the regional geology and hydrogeology been described?	✓		
9	Are the receptor survey results provided as required?			✓
10	Has current use of the site and adjacent land been described?	✓		
11	Has the site-specific geology and hydrogeology been described?	✓		
12	Has the primary soil type been described?	✓		
13	Have field screening results been described?			✓
14	Has a description of the soil sample collection and preservation been detailed?			✓
15	Has the field screening methodology and procedure been detailed?			✓
16	Has the monitoring well installation and development dates been provided?	✓		
17	Has the method of well development been detailed?			✓
18	Has justification been provided for the locations of the monitoring wells?	✓		
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	✓		
20	Has the groundwater sampling methodology been detailed?	✓		
21	Have the groundwater sampling dates and groundwater measurements been provided?	✓		
22	Has the purging methodology been detailed?	✓		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	✓		
24	If free-product is present, has the thickness been provided?	✓		
25	Does the report include a brief discussion of the assessment done and the results?	✓		
26	Does the report include a brief discussion of the aquifer evaluation and results?			✓
27	Does the report include a brief discussion of the fate & transport models used?			✓

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			✓
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			✓
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			✓
31	Have recommendations for further action been provided and explained?	✓		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			✓
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	✓		
34	Has the current and historical laboratory data been provided in tabular format?	✓		
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			✓
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			✓
37	Has the topographic map been provided with all required elements? (Figure 1)	✓		
38	Has the site base map been provided with all required elements? (Figure 2)	✓		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	✓		
40	Has the site potentiometric map been provided? (Figure 5)	✓		
41	Have the geologic cross-sections been provided? (Figure 6)			✓
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			✓
43	Has the site survey been provided and include all necessary elements? (Appendix A)			✓
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	✓		
45	Is the laboratory performing the analyses properly certified?	✓		
46	Has the tax map been included with all necessary elements? (Appendix C)			✓
47	Have the soil boring/field screening logs been provided? (Appendix D)			✓
48	Have the well completion logs, DHEC Form 2099, and DHEC Form 1903 been provided? (Appendix E)	✓		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			✓
50	Have the disposal manifests been provided? (Appendix G)	✓		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			✓
52	Has all fate and transport modeling been provided? (Appendix I)			✓
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			✓
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	✓		

ENVIROSOUTH
Environmental Consultants

UST DOCKETING 871

July 17, 2025

RECEIVED
AUG 05 2025
UST DIVISION

Mr. Adam Looper, P.G.
SCDES
Bureau of Land and Waste Management
Division of UST Management
2600 Bull Street
Columbia, South Carolina 29201

Re: Aggressive Fluid Vapor Recovery Report
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES Site ID No. 12430
Cost Agreement #'s: 69805 (Release 1) and 69806 (Release 2)
EnviroSouth Job No. 3570

Dear Mr. Looper:

Please find attached our Aggressive Fluid Vapor Recovery (AFVR) Report for the above-mentioned facility.

If you have any questions concerning this report, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
SC Registration No. 2705

cc: Mr. Ankur Patel, Shree Gajvakra LLC

ENVIROSOUTH
Environmental Consultants

July 17, 2025

Mr. Adam Looper, P.G.
SCDES
Bureau of Land and Waste Management
Division of UST Management
2600 Bull Street
Columbia, South Carolina 29201

Re: Aggressive Fluid Vapor Recovery Report
Westside Quick Stop
821 W. Parker Road
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Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
SC Registration No. 2705

cc: Mr. Ankur Patel, Shree Gajvakra LLC

Prepared for:

Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

Attention: Mr. Ankur Patel

AFVR REPORT

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID NO. 12430

Job No. 3570
Cost Agreement No. 69805 (Release 1)
Cost Agreement No. 69806 (Release 2)

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

UST Contractor No. 257

July 17, 2025

A report prepared for:

Mr. Ankur Patel
Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

AFVR REPORT
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

EnviroSouth Job No. 3570
SCDES UST Permit No. 12430
Cost Agreement No. 69805 (Release 1)
Cost Agreement No. 69806 (Release 2)

Prepared by:

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
SC Registration No. 2705

Reviewed by:

Keigan K. Mennetti, P.E.
Environmental Engineer
SC License No. 40996

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605
864-236-9010

July 17, 2025

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AGGRESSIVE FLUID VAPOR RECOVERY (AFVR EVENTS) 3

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FIGURES

AFVR REPORTS

CONTRACTOR CHECKLIST

SITE INFORMATION

Facility Name: Westside Quick Stop

Facility Address: 821 W. Parker Road, Greenville, South Carolina 29611

Facility Telephone Number: 864-271-9400

UST Permit Number: 12430

UST Owner Name: Shree Gajvakra LLC

UST Operator Name: 821 Shree Jay Ambe Inc.

Address: 205 Fairway Drive, Laurens, South Carolina 29360

Phone Number: 864-354-1729

Property Owner's Name: Shree Gajvakra LLC

Address: 205 Fairway Drive, Laurens, South Carolina 29360

Phone Number: 864-425-0363

Contractor: EnviroSouth, Inc. Cert. #: 257

Address: 3440 Augusta Road, Greenville, South Carolina 29605

Phone Number: 864-236-9010

AFVR Contractor: Emerald Inc.

Address: 2520 Tahoe Drive, Sumter, South Carolina 29151

Phone Number: 803-469-5454

INTRODUCTION AND BACKGROUND

The Westside Quick Stop facility is located in the city of Greenville, Greenville County, South Carolina at the location displayed on Figure 1. The site address is 821 W. Parker Road, Greenville, South Carolina. The facility is in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road and W. Blue Ridge Drive. The site is an active gasoline station that maintains four (4) regulated underground storage tanks (USTs) and associated piping and dispensers. The site has two (2) open and documented releases from the UST system. Release #1 was reported in June 2012 and Release #2 was reported in October 2012. These releases are the subject of the ongoing targeted scope corrective action at the site.

EnviroSouth, Inc. submitted a June 20, 2025 Baseline Groundwater Sampling and 1st Injection Report detailing the lbaseline groundwater sampling and the first round of three (3) planned injection activities as specified in the Corrective Action Plan (CAP) for the Westside Quick Stop

facility. The work was authorized by the South Carolina Department of Environmental Services (SCDES; formerly known as the SCDHEC) in a letter dated May 6, 2025 and the AFVR activities described below were the next step in the targeted scope corrective action for the site.

EnviroSouth, Inc. has completed three (3) 96-hour and one additional (1) 42-hour (extension of the second 96-hour event) Aggressive Fluid Vapor Recovery (AFVR) events at the Westside Quick Stop site located in Greenville, South Carolina. The work was performed in accordance with the March 6, 2025 Corrective Action Plan Addendum prepared by EnviroSouth and the respective May 6, 2025 South Carolina Department of Environmental Services (SCDES) notice to proceed as well as a phone call conversation with Mr. Adam Looper discussing the additional 42-hour event. The site is an active convenience store and gasoline station located in a light commercial/residential area of Greenville, South Carolina. This report includes a description of the AFVR activities performed.

REGIONAL AND SITE HYDROGEOLOGY

The site is located in the Piedmont physiographic province of South Carolina which is characterized by crystalline bedrock overlain by varying thicknesses of soil referred to as saprolite. The saprolite is derived from the in-place chemical weathering of the bedrock. Saprolite retains much of the original structure of the parent rock. The remnant structures can have a significant effect on the groundwater flow rate and direction.

Groundwater recharge in the Piedmont is principally from precipitation. Average annual rainfall throughout the region is about 45 inches. Approximately 30 inches per year are lost as surface runoff or evapotranspiration, leaving about 15 inches of precipitation per year available for groundwater recharge. Generally, in the Piedmont, the shallow or water table aquifer is comprised of saprolite which acts as a collection reservoir, recharging the deeper bedrock system.

Based on the geologist logs of monitoring wells installed at the site during earlier assessments, the area of concern is underlain by saprolitic sandy silts and silty sands to depths greater than 40 feet below ground surface (bgs). Below this depth, the area is likely underlain by gneiss bedrock.

AGGRESSIVE FLUID VAPOR RECOVERY (AFVR EVENTS)

Three (3) 96-hour AFVR events were performed at the site from June 16 through June 25, 2025 and are detailed in the attached report provided by Emerald, Inc. These events were performed following the first round of three (3) planned injection events at the site (detailed in our June 20, 2025 Baseline Groundwater Sampling and 1st Injection Report previously submitted to the SCDES) as an enhanced AFVR approach.

The events were performed concurrently utilizing two (2) AFVR trailers. The first event occurred from June 16 through June 20, 2025 and utilized recovery wells RW-1, RW-4, and RW-5 as the extraction wells.

Event 2 was an extended event (extended with an additional 42-hour AFVR event onto the originally planned 96-hour event) conducted from June 18 through June 24, 2025 using recovery wells RW-6, RW-7, and RW-8 as the extraction locations. This event was extended because these wells displayed the greatest thickness of free-phase product (gasoline) prior to the event and produced the most hydrocarbon and water recovery during the AFVR event.

Event 3 was conducted from June 20 through June 24, 2025 and utilized recovery wells RW-2 and RW-4 as the extraction wells.

Approximately 43 equivalent gallons of hydrocarbons as vapor, 133 gallons of free-phase hydrocarbons and 17,976 gallons of contaminated water were recovered from the site during these events. The full details of the events are included in the AFVR report contained in the appendix.

CONCLUSIONS AND RECOMMENDATIONS

Based on the data from the AFVR report as detailed above, excellent recovery of free-phase petroleum products and hydrocarbon vapors was achieved during the first three (3) of nine (9) 96-hour AFVR events following the first round of three (3) injection activities at the site.

Also, based on the noted excellent recovery during the first three (3) AFVR events, an additional

96-AFVR event (number 4 of 9 as preapproved in the corrective action plan and through a phone call with Mr. Adam Looper of the SCDES) is scheduled for the week of July 14, 2025 to remove persistent free-phase gasoline product in the vicinity of the recovery wells RW-1, RW-2, RW-4, and RW-5 following the completion of the first three (3) AFVR events.

Following the completion of this fourth AFVR event, it is recommended that the first limited interim performance monitoring event to evaluate the effectiveness of the first enhanced AFVR event followed by the second round of injection activities at the site be performed as scheduled in mid-to-late August 2025.

FIGURES

Reference: USGS 7.5-Minute series Greenville Quadrangle - 2011; Contour Interval = 10 feet

500 250 0 500

APPROXIMATE SCALE IN FEET

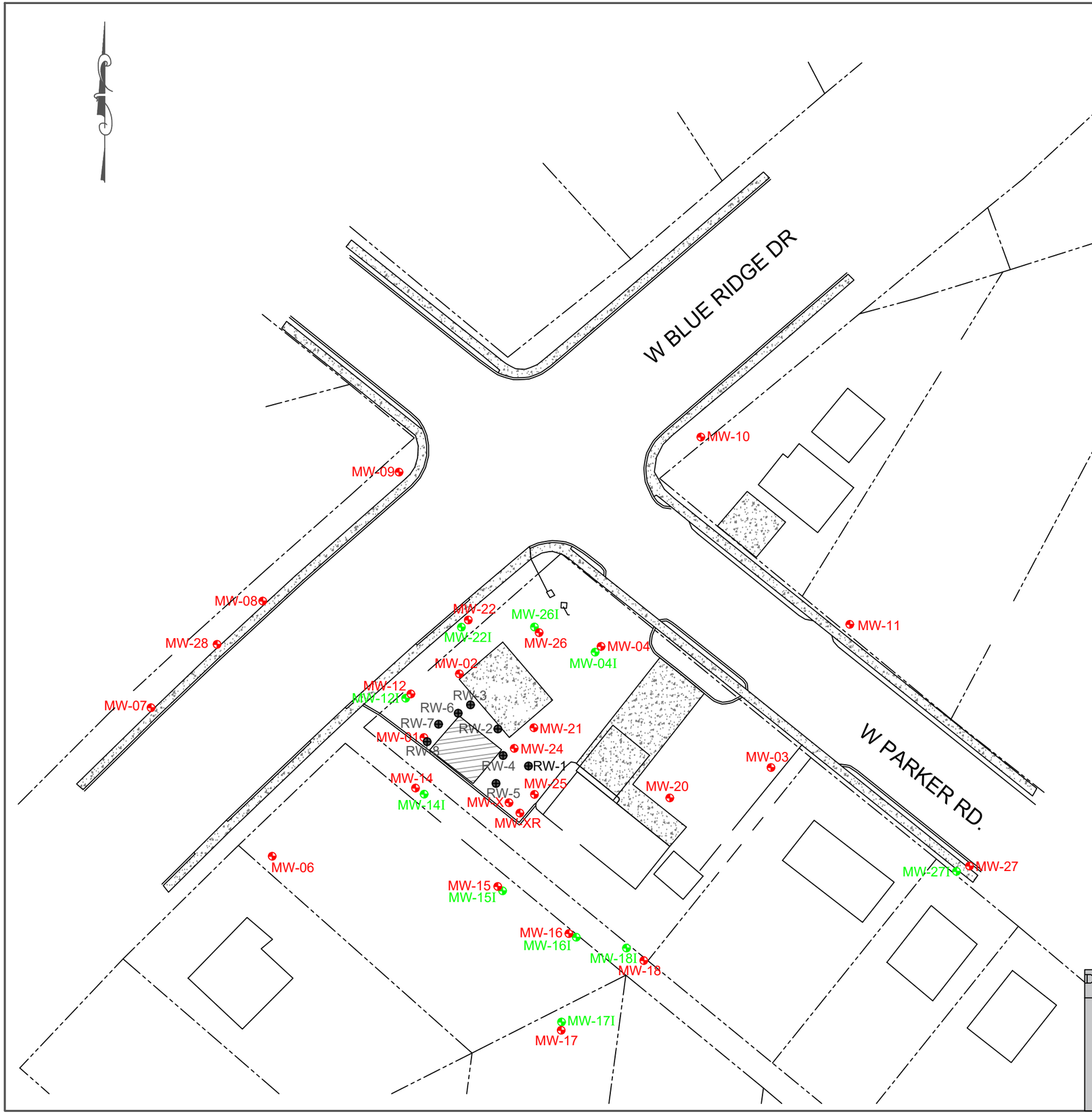
SITE

Private Water Supply Well

Title	Site Location Map
Project	Westside Quick Stop (UST Permit #12430) 821 W. Parker Road Greenville, South Carolina Greenville County
Date	11/26/21
Job No.	J21-977b

petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS

Figure No. 1



EXPLANATION

MW-01	= SHALLOW AQUIFER MONITORING WELL
MW-04I	= INTERMEDIATE AQUIFER MONITORING WELL
RW-1	= RECOVERY WELL
	= UST AREA
	= GIS PROPERTY LINE
	= FENCE LINE

NOTE: Wells MW-5, MW-19, MW-19I, MW-23, and MW-23I are not shown on map because they were previously destroyed or abandoned.

DWG: SOUTHER LAND SURVEYING 2017 SURVEY	DATE 06/05/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 2

ENVIROSOUTH Environmental Consultants

SITE MAP

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

AFVR REPORTS

Emerald, Inc.
CONSULTING AND ENGINEERING
SERVICES IN ENVIRONMENTAL AFFAIRS

2520 TAHOE DRIVE · POST OFFICE BOX 3050 · SUMTER, SOUTH CAROLINA 29151

WEBSITE:
www.emeraldinc-us.com

TELEPHONE (803) 469-5454
FAX (803) 469-5465

July 8, 2025

Thomas F. Donn, P.G., President
EnviroSouth, Inc.
3440 Augusta Road
Greenville, SC 29605

Aggressive Fluid Vapor Recovery Report
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
UST Permit # 12430

Mr. Donn,

Please find the attached Aggressive Fluid Vapor Recovery (AFVR) Report for the Westside Quick Stop site.

AGGRESSIVE FLUID VAPOR RECOVERY EVENT

On June 16 through 24, 2025, three 96-hour AFVR events were conducted at the site. Event 1 was conducted from June 16 through June 20 using RW-1, RW-4, and RW-5 as the extraction locations. Event 2 was an extended event conducted from June 18 through June 24 using RW-6, RW-7, and RW-8 as the extraction locations. This event was extended due the accelerated recovery of water and product when compared to other extraction wells and continued elevated PID readings. Event 3 was conducted from June 20 through June 24 and utilized RW-2 and RW-4 as extraction locations. A total of 330 hours of AFVR event was performed during this work effort. Monitoring well locations are presented on the attached site map provided by EnviroSouth, Inc. This AFVR event was conducted to remove free product released from the smear zone during a prior injection event.

Prior to the event, free phase petroleum product was detected as shown on the table below:

Well ID	Product Thickness Before Event (Feet)	Product Thickness After Event (Feet)
RW-1	0.89	Not Detected
RW-2	1.10	Not Detected
RW-4	0.11	Not Detected
RW-5	0.54	0.01
RW-6	0.02	Not Detected
RW-7	0.10	Not Detected
RW-8	4.72	1.69

Tables 1, 4, and 7 contains calculations for dry standard air flow recorded during the event. Table 2, 5, and 8 presents the off-gas concentrations (using a Photoionization Detector), post treatment off-gas concentrations, and pollutant removal rates. Tables 3, 6, and 9 presents the stinger depths, wellhead vacuum measurements, water levels measurements and magnehelic readings obtained during the event. Emerald, Inc. field personnel normally record data at thirty-minute intervals for the first eight hours of the event, then at one-hour intervals from hours nine through twenty-four and at two-hour intervals from hour twenty-four until the conclusion of the event. During the hours of approximately midnight to 8 AM, event monitoring was suspended. Off-gas was treated using a catalytic oxidizer or activated carbon drum throughout the event.

According to the calculations as presented on Tables 2, 5, and 8, a total of 112.65 pounds of carbon, 265.05 equivalent pounds (as vapor) of gasoline, and 43.09 equivalent gallons of gasoline were removed during this event. According to the meter, a total of 17,976 gallons of petroleum contaminated groundwater was transported to the City of Manning Wastewater Treatment Facility in Manning, SC for proper disposal. Approximately 133.7 gallons of free phase product was detected in the tanker prior to disposal. Copies of the disposal manifests for this event are included as attachments.

If you have any questions or concerns, please feel free to contact Emerald, Inc. at 803-469-5454.

Emerald, Inc.

Dan Alexander
Project Manager

William C. McClary, P.G.
President

Attachments

TABLE 1
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4A

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diameter (Inches)	Water Vapor (%)	Offgas Velocity (ft/min)	CFM (ft^3/min)	Qstd (ft3/min)
RW-1	6/16/25	8:30	Start	20	103.6	52.6	3.0	<0.1	786.9	150	140.53
RW-4		9:00	0.5	20	108.5	59.4	3.0	<0.1	10,332	150	139.31
RW-5		9:30	0.5	21	123.1	64.7	3.0	<0.1	1,122	150	135.83
		10:00	0.5	21	127.9	63.2	3.0	<0.1	1,089	150	134.72
		10:30	0.5	21	134.6	66.5	3.0	<0.1	1,147	150	133.20
		11:00	0.5	21	141.7	68.3	3.0	<0.1	1,179	150	131.63
		11:30	0.5	22	149.0	69.4	3.0	<0.1	1,243	150	130.05
		12:00	0.5	22	155.9	70.3	3.0	<0.1	1,319	150	128.59
		12:30	0.5	22	162.0	72.5	3.0	<0.1	1,342	150	127.33
		13:00	0.5	22	164.2	69.4	3.0	<0.1	1,275	150	126.88
		13:30	0.5	22	167.5	66.0	3.0	<0.1	1,214	150	126.22
		14:00	0.5	22	164.1	64.2	3.0	<0.1	1,275	150	126.90
		14:30	0.5	22	161.7	66.7	3.0	<0.1	1,310	150	127.39
		15:00	0.5	22	163.6	69.3	3.0	<0.1	1,354	150	127.00
		15:30	0.5	22	165.8	65.4	3.0	<0.1	1,249	150	126.56
		16:00	0.5	22	167.5	66.1	3.0	<0.1	1,273	150	126.22
		17:00	1.0	22	169.3	67.6	3.0	<0.1	1,250	150	125.85
		18:00	1.0	21	166.1	65.2	3.0	<0.1	1,196	150	126.50
		19:00	1.0	21	172.2	64.8	3.0	<0.1	1,217	150	125.28
		20:00	1.0	20	170.9	63.6	3.0	<0.1	1,249	150	125.53
		21:00	1.0	20	167.5	65.4	3.0	<0.1	1,276	150	126.22
		22:00	1.0	19	164.3	67.1	3.0	<0.1	1,323	150	126.86
		23:00	1.0	19	160.2	63.9	3.0	<0.1	1,294	150	127.70
	6/17/25	24:00	1.0	19	155.8	60.7	3.0	<0.1	1,255	150	128.61
		7:00	7.0	20	152.7	57.3	3.0	<0.1	1,179	150	129.26
		9:00	2.0	20	157.6	59.8	3.0	<0.1	1,253	150	128.24
		11:00	2.0	20	160.1	65.7	3.0	<0.1	1,323	150	127.72
		13:00	2.0	20	164.4	68.2	3.0	<0.1	1,297	150	126.84
		15:00	2.0	20	166.2	72.8	3.0	<0.1	1,183	150	126.48
		17:00	2.0	20	169.8	70.4	3.0	<0.1	1,214	150	125.75
		19:00	2.0	20	167.4	66.7	3.0	<0.1	1,273	150	126.24
		21:00	2.0	18	158.6	63.1	3.0	<0.1	1,197	150	128.03

TABLE 1 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4A

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diamter (Inches)	Water Vapor (%)	Offgas Velocity (CFM)	CFM (ft^3/min)	Qstd (f^{t3}/min)
RW-1		23:00	2.0	17	153.1	60.3	3.0	<0.1	1,211	150	129.18
RW-4	6/18/25	7:00	8.0	20	142.6	59.7	3.0	<0.1	1,256	150	131.43
RW-5		9:00	2.0	20	147.2	63.5	3.0	<0.1	1,323	150	130.43
		11:00	2.0	20	152.9	65.2	3.0	<0.1	1,277	150	129.22
		13:00	2.0	20	157.3	68.4	3.0	<0.1	1,245	150	128.30
		15:00	2.0	21	165.7	72.9	3.0	<0.1	1,316	150	126.58
		17:00	2.0	21	171.2	74.6	3.0	<0.1	1,342	150	125.48
		19:00	2.0	21	169.4	71.8	3.0	<0.1	1,273	150	125.83
		21:00	2.0	20	162.5	68.2	3.0	<0.1	1,231	150	127.23
		23:00	2.0	19	153.1	62.0	3.0	<0.1	1,190	150	129.18
	6/19/25	7:00	8.0	20	142.6	59.7	3.0	<0.1	1,209	150	131.43
		9:00	2.0	20	149.2	63.4	3.0	<0.1	1,274	150	130.01
		11:00	2.0	20	156.3	66.1	3.0	<0.1	1,156	150	128.51
		13:00	2.0	20	168.5	69.3	3.0	<0.1	1,214	150	126.01
		15:00	2.0	20	173.7	71.5	3.0	<0.1	1,243	150	124.98
		17:00	2.0	20	176.9	69.8	3.0	<0.1	1,212	150	124.35
		19:00	2.0	20	172.4	67.5	3.0	<0.1	1,173	150	125.24
		21:00	2.0	20	170.6	64.2	3.0	<0.1	1,141	150	125.59
		23:00	2.0	20	167.8	62.4	3.0	<0.1	1,117	150	126.15
	6/20/25	7:00	8.0	20	158.1	60.9	3.0	<0.1	1,214	150	128.13
		8:30	1.5	20	155.3	64.1	3.0	<0.1	1,253	150	128.72

Well Gauging Data			Before AFVR Event			After AFVR Event			Notes
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	
RW-1	4	20-40	22.54	23.43	0.89	---	24.21	---	
RW-4	4	22-42	22.92	23.03	0.11	---	24.05	---	
RW-5	4	22-42	22.51	23.05	0.54	23.95	23.96	0.01	

Product Thickness	
Product observed in Sight Tube?	No
Product detected in Tanker?	No

Weather Conditions		Emerald, Inc. Personnel
6/16/25	Partly Cloudy, 71-89°F	
6/17/25	Mostly Sunny, 67-90°F	S. Brown
6/18/25	Partly Cloudy, 71-89°F	T. Faller
6/19/25	Partly Cloudy, 67-89°F	VERCO
6/20/25	Partly Cloudy, 70-88°F	

Equations

Qstd = Flow in Dry Standard Cubic Feet Per Minute
Pipe ID = Inside Diameter of discharge pipe
Relative Humidity = Relative humidity at discharge pipe
Water Vapor = Pounds of water per pound of dry air from psychrometric charts
CFM = Air Flow (ft/min) x ((daimeter (in)/24)2)
Temperature Constant = 528°F/(Measured temp +460)
Qstd Calculation = (1-water vapor) x velocity (ft/min) x Temp constant

TABLE 2
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4A

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-1	6/17/25	8:30	Start	974.3	129.5	140.5	4.0	3,897	32,382	2.0216E-05	0.170	0.399	---
RW-4		9:00	0.5	1,162	174.2	139.3	4.0	4,648	38,621	2.4111E-05	0.202	0.471	0.22
RW-5		9:30	0.5	1,679	201.1	135.8	4.0	6,716	55,804	3.4838E-05	0.284	0.664	0.28
		10:00	0.5	2,142	258.4	134.7	4.0	8,568	71,192	4.4445E-05	0.359	0.840	0.38
		10:30	0.5	2,687	323.8	133.2	4.0	10,748	89,306	5.5754E-05	0.446	1.042	0.47
		11:00	0.5	2,930	411.7	131.6	4.0	11,720	97,383	6.0796E-05	0.480	1.123	0.54
		11:30	0.5	3,207	416.1	130.0	4.0	12,828	106,589	6.6544E-05	0.519	1.215	0.58
		12:00	0.5	2,976	352.0	128.6	4.0	11,904	98,911	6.1750E-05	0.476	1.114	0.58
		12:30	0.5	2,893	324.9	127.3	4.0	11,572	96,153	6.0028E-05	0.459	1.073	0.55
		13:00	0.5	2,749	331.2	126.9	4.0	10,996	91,367	5.7040E-05	0.434	1.016	0.52
		13:30	0.5	2,811	350.4	126.2	4.0	11,244	93,427	5.8327E-05	0.442	1.033	0.51
		14:00	0.5	2,791	335.7	126.9	4.0	11,164	92,763	5.7912E-05	0.441	1.031	0.52
		14:30	0.5	2,846	293.3	127.4	4.0	11,384	94,591	5.9053E-05	0.451	1.056	0.52
		15:00	0.5	2,871	367.9	127.0	4.0	11,484	95,422	5.9572E-05	0.454	1.062	0.53
		15:30	0.5	2,859	317.4	126.6	4.0	11,436	95,023	5.9323E-05	0.450	1.054	0.53
		16:00	0.5	2,641	266.5	126.2	4.0	10,564	87,777	5.4799E-05	0.415	0.971	0.51
		17:00	1.0	2,536	335.6	125.9	4.0	10,144	84,287	5.2621E-05	0.397	0.929	0.95
		18:00	1.0	2,593	293.1	126.5	4.0	10,372	86,182	5.3803E-05	0.408	0.955	0.94
		19:00	1.0	2,516	302.8	125.3	4.0	10,064	83,623	5.2206E-05	0.392	0.918	0.94
		20:00	1.0	2,549	285.4	125.5	4.0	10,196	84,719	5.2890E-05	0.398	0.932	0.92
		21:00	1.0	2,493	256.7	126.2	4.0	9,972	82,858	5.1728E-05	0.392	0.916	0.92
		22:00	1.0	2,442	311.2	126.9	4.0	9,768	81,163	5.0670E-05	0.386	0.902	0.91
		23:00	1.0	2,426	265.1	127.7	4.0	9,704	80,631	5.0338E-05	0.386	0.902	0.90
		24:00	1.0	2,367	229.3	128.6	4.0	9,468	78,670	4.9114E-05	0.379	0.887	0.89
	6/18/25	7:00	7.0	2,291	231.9	129.3	4.0	9,164	76,145	4.7537E-05	0.369	0.862	6.12
		9:00	2.0	2,253	242.6	128.2	4.0	9,012	74,882	4.6749E-05	0.360	0.841	1.73
		11:00	2.0	2,348	215.5	127.7	4.0	9,392	78,039	4.8720E-05	0.373	0.873	1.71
		13:00	2.0	2,394	237.1	126.8	4.0	9,576	79,568	4.9674E-05	0.378	0.884	1.76
		15:00	2.0	2,516	300.3	126.5	4.0	10,064	83,623	5.2206E-05	0.396	0.927	1.81
		17:00	2.0	2,479	249.2	125.8	4.0	9,916	82,393	5.1438E-05	0.388	0.908	1.83
		19:00	2.0	2,436	253.8	126.2	4.0	9,744	80,964	5.0546E-05	0.383	0.896	1.80
		21:00	2.0	2,387	242.6	128.0	4.0	9,548	79,335	4.9529E-05	0.380	0.890	1.79

TABLE 2 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4A

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-1		23:00	2.0	2,417	249.5	129.2	4.0	9,668	80,332	5.015E-05	0.389	0.909	1.80
RW-4	6/18/25	7:00	8.0	2,211	271.9	131.4	4.0	8,844	73,486	4.588E-05	0.362	0.846	7.02
RW-5		9:00	2.0	2,269	293.7	130.4	4.0	9,076	75,413	4.708E-05	0.368	0.862	1.71
		11:00	2.0	2,207	278.5	129.2	4.0	8,828	73,353	4.579E-05	0.355	0.831	1.69
		13:00	2.0	2,183	269.5	128.3	4.0	8,732	72,555	4.530E-05	0.349	0.816	1.65
		15:00	2.0	2,379	260.9	126.6	4.0	9,516	79,069	4.936E-05	0.375	0.877	1.69
		17:00	2.0	2,412	251.6	125.5	4.0	9,648	80,166	5.005E-05	0.377	0.881	1.76
		19:00	2.0	2,371	248.3	125.8	4.0	9,484	78,803	4.920E-05	0.371	0.869	1.75
		21:00	2.0	2,349	241.1	127.2	4.0	9,396	78,072	4.874E-05	0.372	0.870	1.74
		23:00	2.0	2,286	238.4	129.2	4.0	9,144	75,978	4.743E-05	0.368	0.860	1.73
	6/19/25	7:00	8.0	2,304	242.9	131.4	4.0	9,216	76,577	4.781E-05	0.377	0.882	6.97
		9:00	2.0	2,236	237.2	130.0	4.0	8,944	74,317	4.640E-05	0.362	0.847	1.73
		11:00	2.0	2,218	221.6	128.5	4.0	8,872	73,718	4.602E-05	0.355	0.830	1.68
		13:00	2.0	2,143	253.4	126.0	4.0	8,572	71,226	4.447E-05	0.336	0.786	1.62
		15:00	2.0	2,086	241.7	125.0	4.0	8,344	69,331	4.328E-05	0.325	0.759	1.55
		17:00	2.0	2,013	248.1	124.4	4.0	8,052	66,905	4.177E-05	0.312	0.729	1.49
		19:00	2.0	1,949	226.3	125.2	4.0	7,796	64,778	4.044E-05	0.304	0.711	1.44
		21:00	2.0	1,903	211.0	125.6	4.0	7,612	63,249	3.949E-05	0.298	0.696	1.41
		23:00	2.0	1,827	206.4	126.2	4.0	7,308	60,723	3.791E-05	0.287	0.671	1.37
	6/20/25	7:00	8.0	1,793	184.6	128.1	4.0	7,172	59,593	3.720E-05	0.286	0.669	5.36
		8:30	1.5	1,748	152.5	128.7	4.0	6,992	58,097	3.627E-05	0.280	0.655	0.99

Recovery / Disposal Information

Pollutant removal as Carbon:	34.56	**Pounds**
Pollutant Removal as Vapor:	81.31	**Equivalent Pounds of Gasoline**
Pollutant Removal as Gasoline:	13.22	**Equivalent Gallons**
Total Liquids Removed:	3,542	**Gallons**
Total Liquid Product Removed:	26.3	**Gallons**
Disposal Facility:	City of Manning Wastewater Facility	

Notes

Equations

PMMc = PPM x K

Cgm = PPMc * (Mg/K_3)

Cc = Cg:m x 62.43E-9 lb-m^3/mg-ft^3

PMRc = Cc x Qstd x 60 min/hr

PMR = PMR x (Mg/Mcg)

Notes

↑ = Stinger raised ↓ = Stinger lowered

PMRc = lb/hr (pollutant mass removal rate)

PMRg = pollutant mass removal of gasoline

Notes

Offgas measured by photoionization detector (ppm)

K = number of carbons in calibration gas

PPMC=Offgas PPM x K, volumetric concentration as gasoline emission

CC:m = mg/dsm^3, mass of gasoline emission

Mg = 200mg/mg-mole (molecular weight of gasoline)

Mc = 12.01 mg/mg-mole (Molecular weight of carbon)

K_3 = 24.07dsm^3/1E6 mg-mole (mass to volume conversion factor at STP)

Cc = lb/dscf (mass concentration of VOC emissions as carbon, dry basis at STP)

TABLE 3
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4A

Date	Time (hh:mm)	Extraction Wells						Event Monitoring					
		RW-1		RW-4		RW-5		MW-1		MW-24		MW-25	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
6/16/25	8:30	25.0	20.0	25.0	19.0	25.0	19.0	Pre	23.28	Pre	23.62	Pre	23.70
	9:00	25.0	20.0	25.0	19.0	25.0	19.0	---	---	---	---	---	---
	10:00	25.0	20.0	25.0	19.0	25.0	19.0	---	---	---	---	---	---
	11:00	30.0	20.0	30.0	18.0	30.0	19.0	---	---	---	---	---	---
	12:00	30.0	20.0	30.0	18.0	30.0	19.0	---	---	---	---	---	---
	13:00	30.0	19.0	35.0	19.0	35.0	17.0	---	---	---	---	---	---
	14:00	40.0	19.0	41.0	19.0	41.0	18.0	---	---	---	---	---	---
	15:00	40.0	19.0	41.0	19.0	41.0	18.0	---	---	---	---	---	---
	16:00	40.0	19.0	41.0	19.0	41.0	18.0	0.00	23.34	0.00	23.96	0.00	23.73
6/17/25	24:00	40.0	20.0	41.0	19.0	41.0	18.0	0.00	23.37	0.00	24.13	0.00	23.76
	8:00	40.0	20.0	41.0	19.0	41.0	18.0	0.00	23.46	0.00	24.22	0.00	23.79
	16:00	40.0	20.0	41.0	19.0	41.0	18.0	0.00	23.49	0.00	24.31	0.00	23.84
6/18/25	24:00	40.0	20.0	41.0	19.0	41.0	18.0	0.00	23.52	0.00	24.34	0.00	23.87
	8:00	40.0	19.0	41.0	19.0	41.0	17.0	0.00	23.58	0.00	24.40	0.00	23.89
	16:00	40.0	19.0	41.0	19.0	41.0	17.0	0.00	23.69	0.00	24.67	0.00	23.90
6/19/25	24:00	40.0	19.0	41.0	19.0	41.0	17.0	0.00	22.74	0.00	24.72	0.00	24.07
	8:00	40.0	19.0	41.0	19.0	41.0	17.0	0.00	22.83	0.00	24.77	0.00	24.18
	16:00	40.0	19.0	41.0	18.0	41.0	17.0	0.00	22.88	0.00	24.80	0.00	24.23
6/20/25	24:00	40.0	19.0	41.0	18.0	41.0	17.0	0.00	22.92	0.00	24.84	0.00	24.28
	8:00	40.0	18.0	41.0	18.0	41.0	17.0	0.00	22.96	0.00	24.89	0.00	24.33

Notes:

TABLE 4
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4B

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diameter (Inches)	Water Vapor (%)	Offgas Velocity (ft/min)	CFM (ft^3/min)	Qstd (ft3/min)
RW-6	6/18/25	10:30	Start	20	123	52.3	3.0	<0.1		150	135.85
RW-7		11:00	0.5	20	126	63.7	3.0	<0.1		150	135.15
RW-8		11:30	0.5	20	150	65.6	3.0	<0.1		150	129.84
		12:00	0.5	20	152	66.5	3.0	<0.1		150	129.41
		12:30	0.5	20	165	67.9	3.0	<0.1		150	126.72
		13:00	0.5	20	167	69.1	3.0	<0.1		150	126.32
		13:30	0.5	20	170	66.4	3.0	<0.1		150	125.71
		14:00	0.5	20	172	68.7	3.0	<0.1		150	125.32
		14:30	0.5	20	174	69.9	3.0	<0.1		150	124.92
		15:00	0.5	20	175	71.5	3.0	<0.1		150	124.72
		15:30	0.5	20	182	72.8	3.0	<0.1		150	123.36
		16:00	0.5	20	189	74.6	3.0	<0.1		150	122.03
		16:30	0.5	20	194	75.9	3.0	<0.1		150	121.10
		17:00	0.5	20	209	78.3	3.0	<0.1		150	118.39
		17:30	0.5	20	216	76.4	3.0	<0.1		150	117.16
		18:00	0.5	20	221	74.7	3.0	<0.1		150	116.30
		18:30	0.5	20	226	76.1	3.0	<0.1		150	115.45
		19:30	1.0	20	223	74.5	3.0	<0.1		150	115.96
		20:30	1.0	20	224	73.2	3.0	<0.1		160	123.51
		21:30	1.0	20	225	69.4	3.0	<0.1		160	123.33
		22:30	1.0	20	225	67.3	3.0	<0.1		160	123.33
		23:30	1.0	20	226	63.2	3.0	<0.1		160	123.15
	6/19/25	24:00	0.5	20	226	60.9	3.0	<0.1		160	123.15
		7:00	7.0	18	175	53.6	3.0	<0.1		160	133.04
		9:00	2.0	18	173	56.2	3.0	<0.1		160	133.46
		11:00	2.0	18	178	60.5	3.0	<0.1		160	132.41
		13:00	2.0	18	182	63.7	3.0	<0.1		160	131.59
		15:00	2.0	18	191	66.1	3.0	<0.1		160	129.77
		17:00	2.0	18	196	69.5	3.0	<0.1		160	128.78
		19:00	2.0	18	200	72.4	3.0	<0.1		160	128.00
		21:00	2.0	19	204	70.6	3.0	<0.1		160	127.23
		23:00	2.0	19	207	68.2	3.0	<0.1		160	126.66

TABLE 4 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4B

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diamter (Inches)	Water Vapor (%)	Offgas Velocity (CFM)	CFM (ft^3/min)	Qstd (ft^3/min)
RW-6	6/20/25	24:00	1.0	19	209	67.9	3.0	<0.1		160	126.28
RW-7		7:00	7.0	19	191	64.8	3.0	<0.1		160	129.77
RW-8		9:00	2.0	20	200	66.2	3.0	<0.1		160	128.00
		11:00	2.0	20	210	69.5	3.0	<0.1		160	126.09
		13:00	2.0	20	217	73.3	3.0	<0.1		160	124.79
		15:00	2.0	20	223	75.6	3.0	<0.1		160	123.69
		17:00	2.0	20	226	77.3	3.0	<0.1		160	123.15
		19:00	2.0	20	227	75.8	3.0	<0.1		160	122.97
		21:00	2.0	20	226	76.1	3.0	<0.1		160	123.15
		23:00	2.0	20	228	74.2	3.0	<0.1		160	122.79
	6/21/25	24:00	1.0	20	227	75.0	3.0	<0.1		160	122.97
		7:00	7.0	20	223	76.3	3.0	<0.1		160	123.69
		9:00	2.0	20	225	77.8	3.0	<0.1		160	123.33
		11:00	2.0	20	227	75.1	3.0	<0.1		160	122.97
		13:00	2.0	20	228	76.5	3.0	<0.1		160	122.79
		15:00	2.0	20	226	74.3	3.0	<0.1		160	123.15
		17:00	2.0	20	225	75.7	3.0	<0.1		160	123.33
		19:00	2.0	20	225	75.0	3.0	<0.1		160	123.33
		21:00	2.0	20	226	74.4	3.0	<0.1		160	123.15
		23:00	2.0	20	227	72.9	3.0	<0.1		160	122.97
	6/22/25	24:00	1.0	20	227	73.1	3.0	<0.1		160	122.97
		7:00	7.0	20	225	70.6	3.0	<0.1		160	123.33
		9:00	2.0	20	224	68.3	3.0	<0.1		160	123.51
		11:00	2.0	20	225	71.4	3.0	<0.1		160	123.33
		13:00	2.0	20	225	74.7	3.0	<0.1		160	123.33
		15:00	2.0	20	227	77.1	3.0	<0.1		160	122.97
		17:00	2.0	20	229	75.8	3.0	<0.1		160	122.61
		19:00	2.0	20	228	75.2	3.0	<0.1		160	122.79
		21:00	2.0	20	228	71.8	3.0	<0.1		160	122.79
		23:00	2.0	20	229	71.0	3.0	<0.1		160	122.61
	6/23/25	7:00	8.0	20	225	67.1	3.0	<0.1		160	123.33
		9:00	2.0	20	223	68.3	3.0	<0.1		160	123.69
		11:00	2.0	20	224	72.6	3.0	<0.1		160	123.51
		13:00	2.0	20	226	74.9	3.0	<0.1		160	123.15
		15:00	2.0	20	227	77.5	3.0	<0.1		160	122.97
		17:00	2.0	20	225	79.2	3.0	<0.1		160	123.33
		19:00	2.0	20	226	76.8	3.0	<0.1		160	123.15
		21:00	2.0	20	227	76.3	3.0	<0.1		160	122.97
		23:00	2.0	20	227	75.2	3.0	<0.1		160	122.97
	6/24/25	7:00	8.0	20	225	75.7	3.0	<0.1		160	123.33

Well Gauging Data			Before AFVR Event			After AFVR Event			Notes
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	
RW-6	4	22-42	22.19	22.21	0.02	---	24.65	---	
RW-7	4	22-42	21.95	22.05	0.10	---	23.99	---	
RW-8	4	22-42	20.53	25.25	4.72	22.71	24.40	1.69	

Product Thickness	
Product observed in Sight Tube?	No
Product detected in Tanker?	No

Weather Conditions		Emerald, Inc. Personnel
6/18/25	Partly Cloudy, 71-89°F	
6/19/25	Partly Cloudy, 67-89°F	S. Brown
6/20/25	Partly Cloudy, 70-88°F	VERCO
6/21/25	Partly Cloudy, 71-91°F	
6/22/25	Partly Cloudy, 71-93°F	
6/23/25	Partly Cloudy, 74-97°F	
6/24/25	Partly Cloudy, 76-98°F	

Equations

Qstd = Flow in Dry Standard Cubic Feet Per Minute
Pipe ID = Inside Diameter of discharge pipe
Relative Humidity = Relative humidity at discharge pipe
Water Vapor = Pounds of water per pound of dry air from psychrometric charts
CFM = Air Flow (ft/min) x ((daimeter (in)/24)2)
Temperature Constant = 528°F/(Measured temp +460)
Qstd Calculation = (1-water vapor) x velocity (ft/min) x Temp constant

TABLE 5
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4B

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-6	6/18/25	10:30	Start	375.4	43.5	135.8	4.0	1,502	12,477	7.7893E-06	0.063	0.149	---
RW-7		11:00	0.5	731.6	88.2	135.2	4.0	2,926	24,316	1.5180E-05	0.123	0.288	0.11
RW-8		11:30	0.5	1,252	164.1	129.8	4.0	5,008	41,612	2.5978E-05	0.202	0.473	0.19
		12:00	0.5	1,639	185.2	129.4	4.0	6,556	54,474	3.4008E-05	0.264	0.618	0.27
		12:30	0.5	1,921	216.7	126.7	4.0	7,684	63,847	3.9860E-05	0.303	0.709	0.33
		13:00	0.5	2,336	238.6	126.3	4.0	9,344	77,640	4.8471E-05	0.367	0.859	0.39
		13:30	0.5	2,572	293.4	125.7	4.0	10,288	85,484	5.3368E-05	0.403	0.942	0.45
		14:00	0.5	2,594	301.8	125.3	4.0	10,376	86,215	5.3824E-05	0.405	0.947	0.47
		14:30	0.5	2,631	284.2	124.9	4.0	10,524	87,445	5.4592E-05	0.409	0.957	0.48
		15:00	0.5	2,698	301.9	124.7	4.0	10,792	89,672	5.5982E-05	0.419	0.980	0.48
		15:30	0.5	2,737	295.6	123.4	4.0	10,948	90,968	5.6791E-05	0.420	0.983	0.49
		16:00	0.5	2,784	281.5	122.0	4.0	11,136	92,530	5.7766E-05	0.423	0.989	0.49
		16:30	0.5	2,816	316.8	121.1	4.0	11,264	93,594	5.8430E-05	0.425	0.993	0.50
		17:00	0.5	2,901	341.6	118.4	4.0	11,604	96,419	6.0194E-05	0.428	1.000	0.50
		17:30	0.5	2,939	348.1	117.2	4.0	11,756	97,682	6.0983E-05	0.429	1.003	0.50
		18:00	0.5	3,011	357.6	116.3	4.0	12,044	100,075	6.2477E-05	0.436	1.020	0.51
		18:30	1.0	3,078	362.8	115.5	4.0	12,312	102,302	6.3867E-05	0.442	1.035	1.03
		19:30	1.0	3,107	372.2	116.0	4.0	12,428	103,265	6.4469E-05	0.449	1.049	1.04
		20:30	1.0	2,734	269.4	123.5	4.0	10,936	90,868	5.6729E-05	0.420	0.983	1.02
		21:30	1.0	2,963	262.1	123.3	4.0	11,852	98,479	6.1481E-05	0.455	1.064	1.02
		22:30	1.0	2,609	258.7	123.3	4.0	10,436	86,714	5.4135E-05	0.401	0.937	1.00
		23:30	1.0	2,508	249.0	123.1	4.0	10,032	83,357	5.2040E-05	0.385	0.899	0.92
	6/19/25	24:00	0.5	2,712	253.6	123.1	4.0	10,848	90,137	5.6273E-05	0.416	0.973	0.47
		7:00	7.0	2,793	258.4	133.0	4.0	11,172	92,829	5.7953E-05	0.463	1.082	7.19
		9:00	2.0	2,749	245.8	133.5	4.0	10,996	91,367	5.7040E-05	0.457	1.068	2.15
		11:00	2.0	2,723	232.5	132.4	4.0	10,892	90,503	5.6501E-05	0.449	1.050	2.13
		13:00	2.0	2,691	247.3	131.6	4.0	10,764	89,439	5.5837E-05	0.441	1.031	2.08
		15:00	2.0	2,675	261.1	129.8	4.0	10,700	88,907	5.5505E-05	0.432	1.011	2.04
		17:00	2.0	2,653	250.1	128.8	4.0	10,612	88,176	5.5048E-05	0.425	0.995	2.01
		19:00	2.0	2,702	262.4	128.0	4.0	10,808	89,805	5.6065E-05	0.431	1.007	2.00
		21:00	2.0	2,590	248.3	127.2	4.0	10,360	86,082	5.3741E-05	0.410	0.960	1.97
		23:00	2.0	2,617	245.5	126.7	4.0	10,468	86,980	5.4301E-05	0.413	0.965	1.92

TABLE 5 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4B

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-6	6/20/25	24:00	1.0	2,509	249.4	126.3	4.0	10,036	83,390	5.206E-05	0.394	0.923	0.94
RW-7		7:00	7.0	2,552	253.1	129.8	4.0	10,208	84,819	5.295E-05	0.412	0.964	6.60
RW-8		9:00	2.0	2,618	249.6	128.0	4.0	10,472	87,013	5.432E-05	0.417	0.976	1.94
		11:00	2.0	2,684	255.2	126.1	4.0	10,736	89,206	5.569E-05	0.421	0.986	1.96
		13:00	2.0	2,652	249.7	124.8	4.0	10,608	88,143	5.503E-05	0.412	0.964	1.95
		15:00	2.0	2,481	241.9	123.7	4.0	9,924	82,459	5.148E-05	0.382	0.894	1.86
		17:00	2.0	2,411	235.2	123.1	4.0	9,644	80,133	5.003E-05	0.370	0.865	1.76
		19:00	2.0	2,334	227.5	123.0	4.0	9,336	77,574	4.843E-05	0.357	0.836	1.70
		21:00	2.0	2,369	228.1	123.1	4.0	9,476	78,737	4.916E-05	0.363	0.850	1.69
		23:00	2.0	2,307	221.7	122.8	4.0	9,228	76,676	4.787E-05	0.353	0.825	1.67
	6/21/25	24:00	1.0	2,284	223.6	123.0	4.0	9,136	75,912	4.739E-05	0.350	0.818	0.82
		7:00	7.0	2,209	231.3	123.7	4.0	8,836	73,419	4.584E-05	0.340	0.796	5.65
		9:00	2.0	2,126	230.4	123.3	4.0	8,504	70,661	4.411E-05	0.326	0.764	1.56
		11:00	2.0	2,031	226.1	123.0	4.0	8,124	67,503	4.214E-05	0.311	0.727	1.49
		13:00	2.0	1,964	221.9	122.8	4.0	7,856	65,276	4.075E-05	0.300	0.702	1.43
		15:00	2.0	1,917	220.7	123.1	4.0	7,668	63,714	3.978E-05	0.294	0.688	1.39
		17:00	2.0	1,879	208.5	123.3	4.0	7,516	62,451	3.899E-05	0.289	0.675	1.36
		19:00	2.0	1,738	195.2	123.3	4.0	6,952	57,765	3.606E-05	0.267	0.624	1.30
		21:00	2.0	1,692	188.4	123.1	4.0	6,768	56,236	3.511E-05	0.259	0.607	1.23
		23:00	2.0	1,630	179.3	123.0	4.0	6,520	54,175	3.382E-05	0.250	0.584	1.19
	6/22/25	24:00	1.0	1,701	175.6	123.0	4.0	6,804	56,535	3.529E-05	0.260	0.609	0.60
		7:00	7.0	1,763	183.2	123.3	4.0	7,052	58,596	3.658E-05	0.271	0.633	4.35
		9:00	2.0	1,835	179.8	123.5	4.0	7,340	60,989	3.808E-05	0.282	0.660	1.29
		11:00	2.0	1,821	173.7	123.3	4.0	7,284	60,523	3.778E-05	0.280	0.654	1.31
		13:00	2.0	1,803	180.9	123.3	4.0	7,212	59,925	3.741E-05	0.277	0.648	1.30
		15:00	2.0	1,864	177.1	123.0	4.0	7,456	61,953	3.868E-05	0.285	0.668	1.32
		17:00	2.0	1,781	176.5	122.6	4.0	7,124	59,194	3.695E-05	0.272	0.636	1.45
		19:00	2.0	1,693	174.2	122.8	4.0	6,772	56,269	3.513E-05	0.259	0.605	1.40
		21:00	2.0	1,729	173.1	122.8	4.0	6,916	57,466	3.588E-05	0.264	0.618	1.38
		23:00	2.0	1,661	169.2	122.6	4.0	6,644	55,206	3.446E-05	0.254	0.593	1.32
	6/23/25	7:00	8.0	1,706	163.7	123.3	4.0	6,824	56,701	3.540E-05	0.262	0.613	5.26
		9:00	2.0	1,679	179.5	123.7	4.0	6,716	55,804	3.484E-05	0.259	0.605	1.29
		11:00	2.0	1,611	171.8	123.5	4.0	6,444	53,544	3.343E-05	0.248	0.579	1.25
		13:00	2.0	1,556	162.1	123.1	4.0	6,224	51,716	3.229E-05	0.239	0.558	1.18
		15:00	2.0	1,529	165.2	123.0	4.0	6,116	50,818	3.173E-05	0.234	0.548	1.15
		17:00	2.0	1,495	151.9	123.3	4.0	5,980	49,688	3.102E-05	0.230	0.537	1.12
		19:00	2.0	1,399	145.3	123.1	4.0	5,596	46,498	2.903E-05	0.214	0.502	1.11
		21:00	2.0	1,300	138.2	123.0	4.0	5,200	43,207	2.697E-05	0.199	0.466	1.10
		23:00	2.0	1,369	135.1	123.0	4.0	5,476	45,501	2.841E-05	0.210	0.490	1.15
	6/24/25	7:00	8.0	1,281	129.4	123.3	4.0	5,124	42,576	2.658E-05	0.197	0.460	4.46

Recovery / Disposal Information

Pollutant removal as Carbon:	46.95	**Pounds**
Pollutant Removal as Vapor:	110.46	**Equivalent Pounds of Gasoline**
Pollutant Removal as Gasoline:	17.96	**Equivalent Gallons**
Total Liquids Removed:	12,173.5	**Gallons**
Total Liquid Product Removed:	90.4	**Gallons**
Disposal Facility:	City of Manning Wastewater Facility	

Notes

Equations

PMMc = PPM x K

Cgm = PPMc * (Mg/K_3)

Cc = Cg:m x 62.43E-9 lb-m^3/mg-ft^3

PMRc = Cc x Qstd x 60 min/hr

PMR = PMR x (Mg/Mcg)

Notes

↑ = Stinger raised ↓ = Stinger lowered

PMRc = lb/hr (pollutant mass removal rate)

PMRg = pollutant mass removal of gasoline

Notes

Offgas measured by photoionization detector (ppm)

K = number of carbons in calibration gas

PPMC=Offgas PPM x K, volumetric concentration as gasoline emission

CC:m = mg/dsm^3, mass of gasoline emission

Mg = 200mg/mg-mole (molecular weight of gasoline)

Mc = 12.01 mg/mg-mole (Molecular weight of carbon)

K_3 = 24.07dsm^3/1E6 mg-mole (mass to volume conversion factor at STP)

Cc = lb/dscf (mass concentration of VOC emissions as carbon, dry basis at STP)

TABLE 6
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4B

Date	Time (hh:mm)	Extraction Wells						Event Monitoring					
		RW-6		RW-7		RW-8		MW-1		MW-2			
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
6/18/25	10:30	25.0	20.0	25.0	12.0	25.0	11.0	Pre	22.03	Pre	22.51		
	11:00	25.0	20.0	25.0	12.0	25.0	10.0	---	---	---	---		
	12:00	30.0	20.0	30.0	12.0	30.0	10.0	---	---	---	---		
	13:00	30.0	20.0	30.0	12.0	30.0	10.0	---	---	---	---		
	14:00	35.0	19.0	35.0	12.0	35.0	10.0	---	---	---	---		
	15:00	35.0	18.0	35.0	12.0	35.0	10.0	---	---	---	---		
	16:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	22.13	0.00	22.57		
	23:00	35.0	17.0	35.0	11.0	35.0	10.0	0.00	22.24	0.00	22.65		
6/19/25	7:00	35.0	17.0	35.0	11.0	35.0	10.0	0.00	22.30	0.00	22.74		
	16:00	35.0	17.0	35.0	12.0	35.0	10.0	0.00	22.39	0.00	22.77		
	23:00	35.0	17.0	35.0	12.0	35.0	10.0	0.00	22.47	0.00	22.84		
6/20/25	7:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	22.61	0.00	22.93		
	16:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	22.83	0.00	22.97		
	23:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.01	0.00	23.04		
6/21/25	7:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.19	0.00	23.10		
	16:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.31	0.00	23.18		
	23:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.36	0.00	23.21		
6/22/25	7:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.41	0.00	23.30		
	16:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.47	0.00	23.34		
	23:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.53	0.00	23.39		
6/23/25	7:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.61	0.00	23.47		
	16:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.66	0.00	23.50		
	23:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.73	0.00	23.54		
6/24/25	7:00	35.0	18.0	35.0	12.0	35.0	10.0	0.00	23.81	0.00	23.63		

Notes:

TABLE 7
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4C

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diameter (Inches)	Water Vapor (%)	Offgas Velocity (ft/min)	CFM (ft^3/min)	Qstd (ft3/min)
RW-2	6/20/25	9:30	Start	22	123.4	62.5	3.0	<0.1	1,041	150	135.76
RW-4		10:00	0.5	22	128.2	64.7	3.0	<0.1	1,117	150	134.65
		10:30	0.5	22	137.4	67.2	3.0	<0.1	1,223	150	132.57
		11:00	0.5	22	148.9	69.1	3.0	<0.1	1,275	150	130.07
		11:30	0.5	22	157.5	72.6	3.0	<0.1	1,314	150	128.26
		12:00	0.5	22	165.7	74.3	3.0	<0.1	1,249	150	126.58
		12:30	0.5	22	169.8	73.6	3.0	<0.1	1,214	150	125.75
		13:00	0.5	22	173.2	74.9	3.0	<0.1	1,193	150	125.08
		13:30	0.5	22	175.2	76.1	3.0	<0.1	1,226	150	124.69
		14:00	0.5	22	177.9	78.3	3.0	<0.1	1,262	150	124.16
		14:30	0.5	22	164.7	77.4	3.0	<0.1	1,239	150	126.78
		15:00	0.5	22	159.4	72.9	3.0	<0.1	1,211	150	127.87
		15:30	0.5	22	163.3	74.7	3.0	<0.1	1,283	150	127.07
		16:00	0.5	22	166.4	73.4	3.0	<0.1	1,301	150	126.44
		16:30	0.5	22	164.5	72.1	3.0	<0.1	1,287	150	126.82
		17:00	0.5	22	159.1	70.6	3.0	<0.1	1,247	150	127.93
		17:30	0.5	22	161.6	71.5	3.0	<0.1	1,194	150	127.41
		18:00	0.5	22	163.9	70.1	3.0	<0.1	1,213	150	126.94
		19:00	1.0	22	165.3	69.2	3.0	<0.1	1,249	150	126.66
		20:00	1.0	22	162.8	67.4	3.0	<0.1	1,286	150	127.17
		21:00	1.0	22	160.2	66.1	3.0	<0.1	1,310	150	127.70
		22:00	1.0	22	158.5	65.3	3.0	<0.1	1,332	150	128.05
		23:00	1.0	22	155.4	64.2	3.0	<0.1	1,308	150	128.70
	6/21/25	7:00	8.0	22	152.5	66.4	3.0	<0.1	1,252	150	129.31
		9:00	2.0	22	154.9	68.3	3.0	<0.1	1,232	150	128.80
		11:00	2.0	22	159.1	70.5	3.0	<0.1	1,179	150	127.93
		13:00	2.0	22	163.7	73.8	3.0	<0.1	1,257	150	126.98
		15:00	2.0	22	168.4	75.7	3.0	<0.1	1,292	150	126.03
		17:00	2.0	22	171.3	77.1	3.0	<0.1	1,242	150	125.46
		19:00	2.0	22	173.6	76.3	3.0	<0.1	1,287	150	125.00
		21:00	2.0	22	169.4	74.7	3.0	<0.1	1,260	150	125.83
		23:00	2.0	22	166.8	75.4	3.0	<0.1	1,243	150	126.36

TABLE 7 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4C

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diamter (Inches)	Water Vapor (%)	Offgas Velocity (CFM)	CFM (ft^3/min)	Qstd (f^{t3}/min)
RW-2	6/22/25	7:00	8.0	22	164.6	74.2	3.0	<0.1	1,233	150	126.80
RW-4		9:00	2.0	22	159.2	71.5	3.0	<0.1	1,211	150	127.91
		11:00	2.0	22	163.5	72.6	3.0	<0.1	1,268	150	127.02
		13:00	2.0	22	165.7	74.8	3.0	<0.1	1,293	150	126.58
		15:00	2.0	22	168.3	76.3	3.0	<0.1	1,277	150	126.05
		17:00	2.0	22	170.1	77.9	3.0	<0.1	1,231	150	125.69
		19:00	2.0	22	172.6	79.3	3.0	<0.1	1,185	150	125.20
		21:00	2.0	22	171.5	80.8	3.0	<0.1	1,214	150	125.42
		23:00	2.0	22	168.4	76.2	3.0	<0.1	1,263	150	126.03
	6/23/25	7:00	8.0	22	161.9	71.6	3.0	<0.1	1,226	150	127.35
		9:00	2.0	22	163.2	72.9	3.0	<0.1	1,277	150	127.09
		11:00	2.0	22	165.7	74.2	3.0	<0.1	1,310	150	126.58
		13:00	2.0	22	168.1	76.7	3.0	<0.1	1,283	150	126.09
		15:00	2.0	22	173.6	78.1	3.0	<0.1	1,347	150	125.00
		17:00	2.0	22	176.3	79.9	3.0	<0.1	1,265	150	124.47
		19:00	2.0	22	178.4	80.4	3.0	<0.1	1,211	150	124.06
		21:00	2.0	22	176.5	79.6	3.0	<0.1	1,179	150	124.43
		23:00	2.0	22	170.2	77.3	3.0	<0.1	1,182	150	125.67
	6/24/25	7:00	8.0	22	165.6	70.8	3.0	<0.1	1,238	150	126.60

Well Gauging Data			Before AFVR Event			After AFVR Event		
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)
RW-2	4	22-42	22.58	23.68	1.10	---	---	---
RW-4	4	22-42	22.56	23.59	1.03	---	---	---

Notes

Product Thickness

Product observed in Sight Tube? No

Product detected in Tanker? No

Weather Conditions		Emerald, Inc. Personnel
6/20/25	Partly Cloudy, 70-88°F	
6/21/25	Partly Cloudy, 71-91°F	S. Brown
6/22/25	Partly Cloudy, 71-93°F	VERCO
6/23/25	Partly Cloudy, 74-97°F	
6/24/25	Partly Cloudy, 71-93°F	

Equations

Qstd = Flow in Dry Standard Cubic Feet Per Minute

Pipe ID = Inside Diameter of discharge pipe

Relative Humidity = Relative humidity at discharge pipe

Water Vapor = Pounds of water per pound of dry air from psychrometric charts

CFM = Air Flow (ft/min) x ((daimeter (in)/24)2)

Temperature Constant = 528°F/(Measured temp +460)

Qstd Calculation = (1-water vapor) x velocity (ft/min) x Temp constant

TABLE 8
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4C

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Remova Rate PMRg (lbs
RW-2	6/20/25	9:30	Start	1,631	216.9	135.8	4.0	6,524	54,209	3.3842E-05	0.276	0.645	---
RW-4		10:00	0.5	2,013	263.7	134.6	4.0	8,052	66,905	4.1769E-05	0.337	0.789	0.36
		10:30	0.5	2,755	418.5	132.6	4.0	11,020	91,566	5.7165E-05	0.455	1.064	0.46
		11:00	0.5	2,947	442.6	130.1	4.0	11,788	97,948	6.1149E-05	0.477	1.116	0.54
		11:30	0.5	3,126	415.7	128.3	4.0	12,504	103,897	6.4863E-05	0.499	1.168	0.57
		12:00	0.5	3,185	421.4	126.6	4.0	12,740	105,858	6.6087E-05	0.502	1.174	0.59
		12:30	0.5	3,136	417.1	125.8	4.0	12,544	104,229	6.5070E-05	0.491	1.148	0.58
		13:00	0.5	3,019	410.5	125.1	4.0	12,076	100,341	6.2643E-05	0.470	1.100	0.56
		13:30	0.5	2,993	422.8	124.7	4.0	11,972	99,476	6.2103E-05	0.465	1.087	0.55
		14:00	0.5	2,979	437.1	124.2	4.0	11,916	99,011	6.1813E-05	0.460	1.077	0.54
		14:30	0.5	2,963	428.2	126.8	4.0	11,852	98,479	6.1481E-05	0.468	1.094	0.54
		15:00	0.5	2,917	397.9	127.9	4.0	11,668	96,950	6.0526E-05	0.464	1.086	0.55
		15:30	0.5	2,923	402.6	127.1	4.0	11,692	97,150	6.0651E-05	0.462	1.082	0.54
		16:00	0.5	2,887	390.2	126.4	4.0	11,548	95,953	5.9904E-05	0.454	1.063	0.54
		16:30	0.5	2,931	374.6	126.8	4.0	11,724	97,416	6.0817E-05	0.463	1.083	0.54
		17:00	0.5	2,898	367.5	127.9	4.0	11,592	96,319	6.0132E-05	0.462	1.080	0.54
		17:30	1.0	2,859	359.3	127.4	4.0	11,436	95,023	5.9323E-05	0.454	1.061	1.07
		18:00	1.0	2,819	336.1	126.9	4.0	11,276	93,693	5.8493E-05	0.446	1.042	1.05
		19:00	1.0	2,797	329.4	126.7	4.0	11,188	92,962	5.8036E-05	0.441	1.032	1.04
		20:00	1.0	2,764	320.2	127.2	4.0	11,056	91,865	5.7352E-05	0.438	1.024	1.03
		21:00	1.0	2,722	325.4	127.7	4.0	10,888	90,469	5.6480E-05	0.433	1.012	1.02
		22:00	1.0	2,749	331.6	128.1	4.0	10,996	91,367	5.7040E-05	0.438	1.025	1.02
		23:00	0.5	2,723	326.3	128.7	4.0	10,892	90,503	5.6501E-05	0.436	1.021	0.51
	6/21/25	7:00	7.0	2,711	347.8	129.3	4.0	10,844	90,104	5.6252E-05	0.436	1.021	7.14
		9:00	2.0	2,696	335.2	128.8	4.0	10,784	89,605	5.5941E-05	0.432	1.011	2.03
		11:00	2.0	2,665	324.4	127.9	4.0	10,660	88,575	5.5297E-05	0.424	0.993	2.01
		13:00	2.0	2,659	321.7	127.0	4.0	10,636	88,375	5.5173E-05	0.420	0.983	1.98
		15:00	2.0	2,628	318.5	126.0	4.0	10,512	87,345	5.4530E-05	0.412	0.965	1.95
		17:00	2.0	2,602	268.1	125.5	4.0	10,408	86,481	5.3990E-05	0.406	0.951	1.92
		19:00	2.0	2,671	290.7	125.0	4.0	10,684	88,774	5.5422E-05	0.416	0.972	1.92
		21:00	2.0	2,640	281.0	125.8	4.0	10,560	87,744	5.4779E-05	0.414	0.967	1.94
		23:00	2.0	2,631	273.4	126.4	4.0	10,524	87,445	5.4592E-05	0.414	0.968	1.94

TABLE 8 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4C

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-2	6/22/25	7:00	1.0	2,625	269.8	126.8	4.0	10,500	87,245	5.447E-05	0.414	0.969	0.97
RW-4		9:00	7.0	2,608	261.6	127.9	4.0	10,432	86,680	5.411E-05	0.415	0.971	6.79
		11:00	2.0	2,591	253.9	127.0	4.0	10,364	86,115	5.376E-05	0.410	0.958	1.93
		13:00	2.0	2,533	262.1	126.6	4.0	10,132	84,188	5.256E-05	0.399	0.934	1.89
		15:00	2.0	2,497	256.7	126.1	4.0	9,988	82,991	5.181E-05	0.392	0.917	1.85
		17:00	2.0	2,385	242.2	125.7	4.0	9,540	79,269	4.949E-05	0.373	0.873	1.79
		19:00	2.0	2,311	237.5	125.2	4.0	9,244	76,809	4.795E-05	0.360	0.843	1.72
		21:00	2.0	2,193	221.4	125.4	4.0	8,772	72,887	4.550E-05	0.342	0.801	1.64
		23:00	2.0	2,115	208.9	126.0	4.0	8,460	70,295	4.389E-05	0.332	0.776	1.58
	6/23/25	7:00	2.0	1,967	195.3	127.4	4.0	7,868	65,376	4.081E-05	0.312	0.730	1.51
		9:00	1.0	1,913	204.6	127.1	4.0	7,652	63,581	3.969E-05	0.303	0.708	0.72
		11:00	7.0	1,831	184.9	126.6	4.0	7,324	60,856	3.799E-05	0.289	0.675	4.84
		13:00	2.0	1,775	179.2	126.1	4.0	7,100	58,995	3.683E-05	0.279	0.652	1.33
		15:00	2.0	1,729	171.1	125.0	4.0	6,916	57,466	3.588E-05	0.269	0.629	1.28
		17:00	2.0	1,647	172.9	124.5	4.0	6,588	54,740	3.417E-05	0.255	0.597	1.23
		19:00	2.0	1,663	159.6	124.1	4.0	6,652	55,272	3.451E-05	0.257	0.601	1.20
		21:00	2.0	1,571	153.4	124.4	4.0	6,284	52,214	3.260E-05	0.243	0.569	1.17
		23:00	2.0	1,609	147.8	125.7	4.0	6,436	53,477	3.339E-05	0.252	0.589	1.16
	6/24/25	7:00	2.0	1,473	138.7	126.6	4.0	5,892	48,957	3.056E-05	0.232	0.543	1.13

Recovery / Disposal Information

Pollutant removal as Carbon:	31.14	**Pounds**
Pollutant Removal as Vapor:	73.28	**Equivalent Pounds of Gasoline**
Pollutant Removal as Gasoline:	11.91	**Equivalent Gallons**
Total Liquids Removed:	2,293.5	**Gallons**
Total Liquid Product Removed:	17	**Gallons**
Disposal Facility:	City of Manning Wastewater Facility	

Notes

Equations

PMMc = PPM x K

Cgm = PPMc * (Mg/K_3)

Cc = Cg:m x 62.43E-9 lb-m^3/mg-ft^3

PMRc = Cc x Qstd x 60 min/hr

PMR = PMR x (Mg/Mcg)

Notes

↑ = Stinger raised ↓ = Stinger lowered

PMRc = lb/hr (pollutant mass removal rate)

PMRg = pollutant mass removal of gasoline

Notes

Offgas measured by photoionization detector (ppm)

K = number of carbons in calibration gas

PPMC=Offgas PPM x K, volumetric concentration as gasoline emission

CC:m = mg/dsm^3, mass of gasoline emission

Mg = 200mg/mg-mole (molecular weight of gasoline)

Mc = 12.01 mg/mg-mole (Molecular weight of carbon)

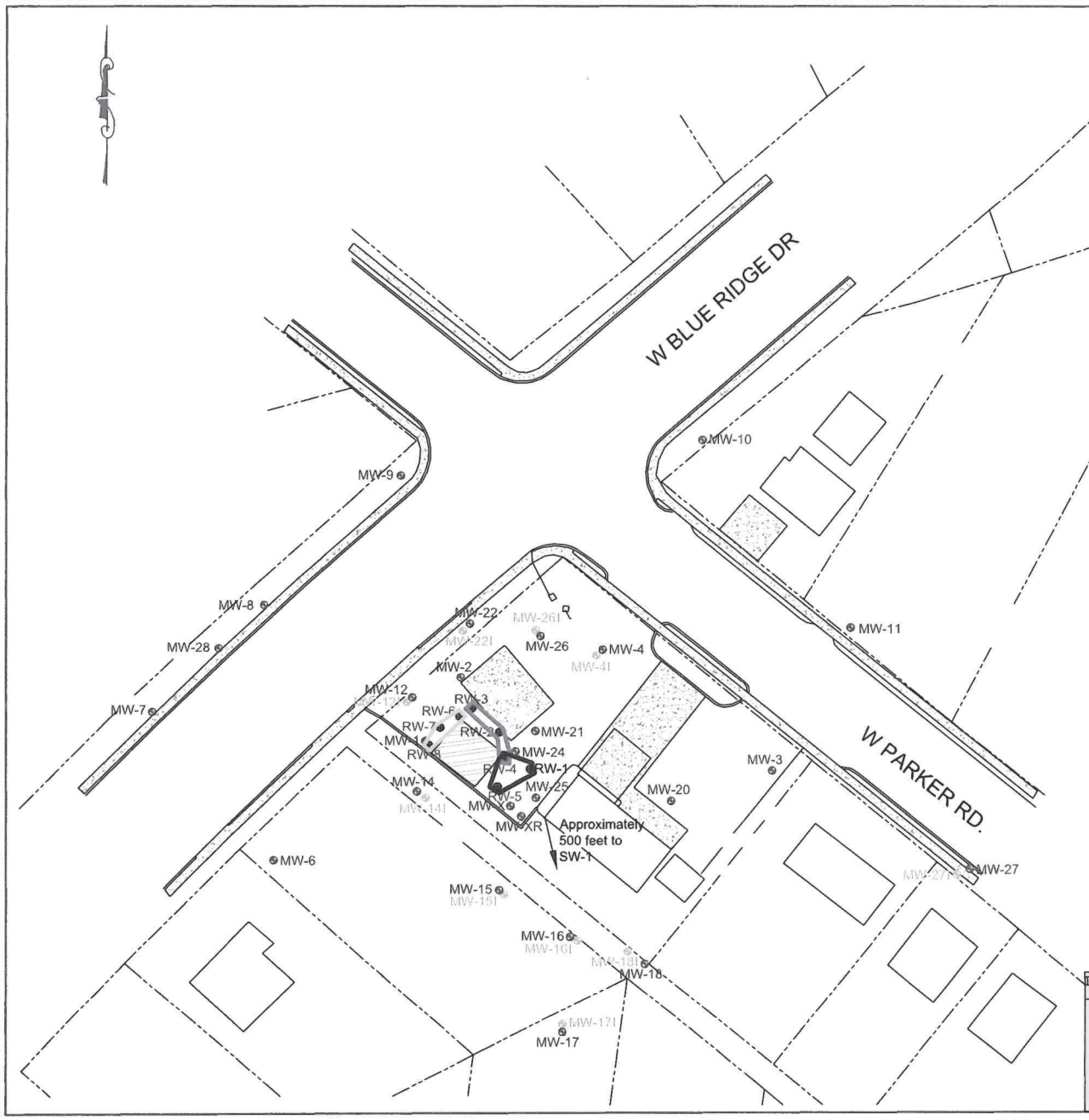
K_3 = 24.07dsm^3/1E6 mg-mole (mass to volume conversion factor at STP)

Cc = lb/dscf (mass concentration of VOC emissions as carbon, dry basis at STP)

TABLE 9
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-4C

Date	Time (hh:mm)	Extraction Wells						Event Monitoring					
		RW-2		RW-4				MW-21		MW-24			
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
6/20/25	9:30	25.0	22.0	25.0	21.0			Pre	23.81	Pre	23.77		
	10:00	25.0	22.0	25.0	21.0			---	---	---	---		
	11:00	25.0	22.0	25.0	21.0			---	---	---	---		
	12:00	25.0	22.0	25.0	21.0			---	---	---	---		
	13:00	35.0	22.0	35.0	21.0			---	---	---	---		
	16:00	35.0	22.0	35.0	21.0			0.00	23.83	0.00	23.79		
	23:00	35.0	22.0	35.0	21.0			0.00	23.87	0.00	23.82		
6/21/25	7:00	35.0	22.0	35.0	21.0			0.00	23.94	0.00	23.90		
	16:00	35.0	22.0	35.0	21.0			0.00	23.97	0.00	23.92		
	23:00	35.0	22.0	35.0	21.0			0.00	24.00	0.00	23.94		
6/22/25	7:00	35.0	22.0	35.0	21.0			0.00	24.06	0.00	24.02		
	16:00	35.0	22.0	35.0	21.0			0.00	24.08	0.00	24.06		
	23:00	35.0	22.0	35.0	21.0			0.00	24.11	0.00	24.11		
6/23/25	7:00	35.0	22.0	35.0	21.0			0.00	24.16	0.00	24.16		
	16:00	35.0	22.0	35.0	21.0			0.00	24.19	0.00	24.21		
	23:00	35.0	22.0	35.0	21.0			0.00	24.23	0.00	24.26		
6/24/25	7:00	35.0	22.0	35.0	21.0			0.00	24.29	0.00	24.34		

Notes:



EXPLANATION

MW-1	= SHALLOW AQUIFER MONITORING WELL
MW-29I	= INTERMEDIATE AQUIFER MONITORING WELL
RW-1	= RECOVERY WELL
	= UST AREA
	= AFVR ZONE 1
	= AFVR ZONE 2
	= AFVR ZONE 2
	= GIS PROPERTY LINE
	= FENCE LINE

NOTE: Wells MW-5, MW-19, MW-19I, MW-23, and MW-23I are not shown on map because they were previously destroyed or abandoned.

DWG	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
SOUTHER LAND SURVEYING 2017 SURVEY	06/05/2025	BD	TFD	AS SHOWN	3570	2

ENVIROSOUTH Environmental Consultants

SITE MAP WITH AFVR ZONES

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1846-

2. Page 1 of

3. Generator's Name and Mailing Address: Westside Quick Stop
821 W. Parker Rd
Greenville, SC Site ID #12430

4. Generator's Phone

5. Transporter 1 Company Name: Emerald, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone: 803-469-5454

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address:
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater			599	
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Steve Brown | Signature: Steve Brown | Date: Month 6 Day 20 Year 23

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name: Robert B[illegible] | Signature: [illegible] | Date: Month 6 Day 20 Year 23

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

Printed/Typed Name: Kathy Hodge | Signature: Kathy Hodge | Date: Month 7 Day 1 Year 23

DISTRIBUTION: 1 - GENERATOR 2 - TRANSPORTER 3 - DESTINATION

NON-HAZARDOUS WASTE

LABELMASTER

GPI
Electronic
Fuel Meter
For Motor
Fuels Only
TTL1
GAL
5993
DISPLAY
GREAT PLAINS INDUSTRIES, INC. WICHITA, KS.

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1846- 2

2. Page 1 of

3. Generator's Name and Mailing Address
Westside Quick Stop
821 W. Parker Rd
Greenville, SC Site ID #12430

4. Generator's Phone

5. Transporter 1 Company Name: Emerald, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone 803-469-5454

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater			[illegible]	
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Steve Brown	Steve Brown	6 22 25

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Robert B Snowden	[illegible]	6 22 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Kathy Hodge	Kathy Hodge	7 1 25

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

©1991 LABELMASTER 800-621-5808 www.labelmaster.com

GPI
Fuel Meter
For Motor Fuels Only
DISPLAY
5988

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1846-3

2. Page 1 of

3. Generator's Name and Mailing Address
Westside Quick Stop
821 W. Parker Rd
Greenville, SC Site ID #12430

4. Generator's Phone

5. Transporter 1 Company Name
Emerald, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone 803-469-5454

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Container No.	12. Container Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous Petroleum Contaminated Groundwater	1	TT	5,999	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Christopher Scott Tr
Signature: [signature]
Date: Month 6 Day 24 Year 25

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Robert B Snowden
Signature: [signature]
Date: Month 6 Day 24 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

Printed/Typed Name: Kathy Hodge
Signature: Kathy Hodge
Date: Month 7 Day 1 Year 25

NON-HAZARDOUS WASTE MANIFEST

DISTRIBUTION: 1-GENERATOR 2-TRANSPORTER 3-DESIGNATED FACILITY

LABELMASTER

GPI
Electronic
Fuel Meter
TTL1
GAL
GREAT PLAINS INDUSTRIES, INC., WICHITA, KS.
SPLAY
-COMMERCIAL

CONTRACTOR CHECKLIST

#12430

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the "No" box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	✓		
2	Is UST Owner/Operator name, address, & phone number provided?	✓		
3	Is name, address, & phone number of current property owner provided?	✓		
4	Is the SCDHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	✓		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			✓
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			✓
7	Has the facility history been summarized?	✓		
8	Has the regional geology and hydrogeology been described?	✓		
9	Are the receptor survey results provided as required?			✓
10	Has current use of the site and adjacent land been described?	✓		
11	Has the site-specific geology and hydrogeology been described?	✓		
12	Has the primary soil type been described?			✓
13	Have field screening results been described?			✓
14	Has a description of the soil sample collection and preservation been detailed?			✓
15	Has the field screening methodology and procedure been detailed?			✓
16	Has the monitoring well installation and development dates been provided?			✓
17	Has the method of well development been detailed?			✓
18	Has justification been provided for the locations of the monitoring wells?			✓
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	✓		
20	Has the groundwater sampling methodology been detailed?			✓
21	Have the groundwater sampling dates and groundwater measurements been provided?			✓
22	Has the purging methodology been detailed?			✓
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			✓
24	If free-product is present, has the thickness been provided?	✓		
25	Does the report include a brief discussion of the assessment done and the results?	✓		
26	Does the report include a brief discussion of the aquifer evaluation and results?			✓
27	Does the report include a brief discussion of the fate & transport models used?			✓

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			✓
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			✓
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			✓
31	Have recommendations for further action been provided and explained?	✓		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			✓
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)			✓
34	Has the current and historical laboratory data been provided in tabular format?			✓
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			✓
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			✓
37	Has the topographic map been provided with all required elements? (Figure 1)	✓		
38	Has the site base map been provided with all required elements? (Figure 2)	✓		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			✓
40	Has the site potentiometric map been provided? (Figure 5)			✓
41	Have the geologic cross-sections been provided? (Figure 6)			✓
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			✓
43	Has the site survey been provided and include all necessary elements? (Appendix A)			✓
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			✓
45	Is the laboratory performing the analyses properly certified?			✓
46	Has the tax map been included with all necessary elements? (Appendix C)			✓
47	Have the soil boring/field screening logs been provided? (Appendix D)			✓
48	Have the well completion logs, DHEC Form 2099, and DHEC Form 1903 been provided? (Appendix E)			✓
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			✓
50	Have the disposal manifests been provided? (Appendix G)	✓		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			✓
52	Has all fate and transport modeling been provided? (Appendix I)			✓
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			✓
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	✓		

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

SHREE GAJVAKRA LLC
205 FAIRWAY DR
LAURENS SC 29360

AUG 13 2025

UST 88 Geek DOCKETING

Re: **Corrective Action System Evaluation Report Review**
Westside Quick Stop, 821 W Parker Rd, Greenville, SC
UST Permit #12430; CA #69805; CA #69806
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
Baseline Sampling Report received June 27, 2025
AFVR CASE Report received August 5, 2025
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) has reviewed the referenced Corrective Action System Evaluation (CASE) Report documenting the recovery wells installations and injections performed in May 2025, the groundwater sampling event conducted May 8-9, 2025, and the AFVR events performed June 16-20, June 18-24, and June 20-24.

The UST Division notes that the next AFVR event was scheduled for the week of July 14 followed by the next sampling event. Please submit an updated schedule if any changes occur.

Below is a schedule of upcoming deliverables, required activities, and due dates:

Deliverable/Activity	Due Date
Corrective Action Activities to occur next based on submitted Corrective Action Timetable	Interim Sampling Event

The next CASE Report should be submitted following the sampling event. The UST Project Manager must be notified prior to the initiation of any Site Rehabilitation Activities.

On all correspondence regarding this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0631, by fax at (803) 898-0673, or by email at Adam.Looper@des.sc.gov.

Sincerely,

Adam Looper, P.G., Hydrogeologist

cc: EnviroSouth, Inc., 3440 Augusta Rd, Greenville, SC 29605
Westside Quik Shop, Inc., 809 W Parker Rd, Greenville, SC 29611
Quincy Hoffer, UST Management Division
Technical File

☒ Hard Copy ■ CD ☐ Email

RECEIVED

AUG 25 2025

UST DIVISION

Date Received _____

Permit Number 12430

Project Manager Adam Looper

Name of Contractor Enviro South

Description Interim GWS & AFVR report

Docket Number 89T

Scanned _____

Verified _____

ENVIROSOUTH
Environmental Consultants

RECEIVED
AUG 25 2025
UST DIVISION

August 19, 2025

Mr. Adam Looper, P.G.
SCDES
UST Management Division
2600 Bull Street
Columbia, South Carolina 29201

UST DOCKETING 89T

Re: Interim Groundwater Sampling and AFVR Report
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES Site ID No. 12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

On behalf of Shree Gajvakra, LLC, EnviroSouth, Inc. is pleased to submit the attached report for the above-referenced site in Greenville, South Carolina.

If you have any questions concerning our findings, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

cc: Mr. Ankur Patel, Shree Gajvakra, LLC

ENVIROSOUTH
Environmental Consultants

August 19, 2025

Mr. Adam Looper, P.G.
SCDES
UST Management Division
2600 Bull Street
Columbia, South Carolina 29201

Re: Interim Groundwater Sampling and AFVR Report
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES Site ID No. 12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

On behalf of Shree Gajvakra, LLC, EnviroSouth, Inc. is pleased to submit the attached report for the above-referenced site in Greenville, South Carolina.

If you have any questions concerning our findings, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

cc: Mr. Ankur Patel, Shree Gajvakra, LLC

Prepared for:

Mr. Ankur Patel
Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

INTERIM GROUNDWATER SAMPLING AND AFVR REPORT

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

Job No. 3570
SCDES UST IID No. 12430
Cost Agreement Nos. 69805 and 69806

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

UST Contractor #257

August 19, 2025

A report prepared for:

Mr. Ankur Patel
Shree Gajvakra LLC
205 Fairway Drive
Laurens, South Carolina 29360

INTERIM GROUNDWATER SAMPLING AND AFVR REPORT
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

EnviroSouth Job No. 3570
SCDES UST ID No. 12430
Cost Agreement Nos. 69805 and 69806

Prepared by:

William H. Lyons, P.G.
Senior Hydrogeologist
S.C. Registration No. 2705

Reviewed by:

Keigan K. Mennetti, P.E.
Environmental Engineer
S.C. License No. 40996

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605
864-236-9010

SCDES UST Contractor #257

August 19, 2025

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INTRODUCTION

The Westside Quick Stop facility is located in the city of Greenville, Greenville County, South Carolina at the location displayed on Figure 1. The site address is 821 W. Parker Road, Greenville, South Carolina. The facility is in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road and W. Blue Ridge Drive. The site is an active gasoline station that maintains four (4) regulated underground storage tanks (USTs) and associated piping and dispensers. The site has two (2) open documented releases from the UST system. Release #1 was reported in June 2012 and Release #2 was reported in October 2012. These releases are the subject of the targeted scope corrective action detailed below.

EnviroSouth, Inc. submitted a June 20, 2025 Baseline Groundwater Sampling and 1st Injection Report detailing the baseline groundwater sampling and the first round of three (3) planned injection activities and a July 17, 2025 Aggressive Fluid Vapor Recovery Report detailing the first three (3) 96-hour and one additional (1) 42-hour (extension of the second 96-hour event) Aggressive Fluid Vapor Recovery (AFVR) events as specified in the Corrective Action Plan (CAP) for the Westside Quick Stop facility. The work was authorized by the South Carolina Department of Environmental Services (SCDES; formerly known as the SCDHEC) in a letter dated May 6, 2025. The limited interim groundwater sampling event in the source area and 96-hour AFVR activities described below were the next step in the targeted scope corrective action for the site.

The purpose of the limited sampling was to determine the efficacy of the planned corrective action approach after implementation of the first round of enhanced AFVR and prior to implementation of the second round of enhanced AFVR. The purpose of the AFVR event was to attempt to capture free-phase product and dissolved-phase hydrocarbons while the effects of the injected surfactant were still present.

SUMMARY OF ASSESSMENT

An Initial Groundwater Assessment (IGWA), Tier I Assessment, and an initial Tier II Assessment were completed in response to the two (2) releases documented at the site. As a result of the presence of free-phase product (gasoline) in groundwater monitoring well MW-1 during a May

2016 groundwater gauging event conducted by the South Carolina Department of Environmental Services (SCDES), an additional Tier II Assessment and two (2) 96-hour Aggressive Fluid Vapor Recovery/Mobile Multi-Phase Extraction (AFVR/MMPE) events were completed at the site in early 2017. Additional 96-hour AFVR/MMPE events were completed at the site in May 2018, January 2020, February 2021, March 2021, February 2022, and March 2022. Four (4) additional 96-hour AFVR/MMPE events and a comprehensive groundwater sampling event were performed from September 2023 to October 2023. A comprehensive groundwater monitoring report detailing these field activities was submitted in December 2023.

After completing twelve (12) 96-hour AFVR events (as detailed above), widespread free-phase product remained at thicknesses of up to 1.14 feet (November 2023).

While product thickness reductions were observed, the releases cannot be closed until product thicknesses are reduced to less than 0.01 feet and dissolved contaminant concentrations are below site-specific target levels (SSTLs). Based on the persistence of free-phase product, it became evident that an alternative, more aggressive, approach to reach closure was needed. Therefore, the SCDES modeled the site using the Domenico groundwater fate and transport model, established SSTLs, and requested a Strategy to Closure in a letter dated July 19, 2024.

EnviroSouth developed a Strategy to Closure that consisted of in-situ chemical oxidation (ISCO) utilizing an oxidizing surfactant combined with AFVR in the source area of the petroleum releases, an approach commonly referred to as enhanced AFVR. This approach was submitted to the SCDES in August 2024 for review. After discussion with the SCDES project team, the strategy was amended to become more robust by treating the entire release area with a stronger dose of oxidant than previously considered to optimize the chance for success.

A Corrective Action Plan (CAP) was submitted to the SCDES in January 2025 and revised in February 2025 to amend the published schedule of events. The CAP was authorized as directed by the SCDES in a letter dated May 6, 2025.

REGIONAL AND SITE HYDROGEOLOGY

The site is located in the Piedmont physiographic province of South Carolina which is characterized by crystalline bedrock overlain by varying thicknesses of soil referred to as saprolite. The saprolite is derived from the in-place chemical weathering of the bedrock. Saprolite retains much of the original structure of the parent rock. The remnant structures can have a significant effect on the groundwater flow rate and direction.

Groundwater recharge in the Piedmont is principally from precipitation. Average annual rainfall throughout the region is about 45 inches. Approximately 30 inches per year are lost as surface runoff or evapotranspiration, leaving about 15 inches of precipitation per year available for groundwater recharge. Generally, in the Piedmont, the shallow or water table aquifer is comprised of saprolite which acts as a collection reservoir, recharging the deeper bedrock system.

Based on the geologist logs of monitoring wells installed at the site during earlier assessments, the area of concern is underlain by saprolitic sandy silts and silty sands to depths greater than 40 feet below ground surface (bgs). Below this depth, the area is likely underlain by gneiss bedrock.

CORRECTIVE ACTION ACTIVITIES

Aggressive Fluid Vapor Recovery (AFVR)

EnviroSouth oversaw the implementation of the fourth (4th) of nine (9) approved 96-hour AFVR activities performed by Emerald, Inc. on July 14 through 18, 2025. Recovery wells RW-1, RW-2, RW-4, and RW-5 were utilized as the extraction wells.

Approximately 11.88 equivalent gallons of hydrocarbons as vapor, and 10,615 gallons of petroleum contaminated water were recovered from the site during these events. While no measurable thickness of free-phase product was observed in the knockout tank or tanker, a petroleum sheen was observed. The full details of the event are included in the AFVR report contained in the appendix.

Interim Groundwater Sampling

A limited interim groundwater sampling event was performed at the site on August 1, 2025. Monitoring wells MW-1, MW-12, MW-14, and MW-24 and recovery wells RW-1, RW-2, RW-3, RW-5, RW-6 and RW-7 were gauged and sampled. Monitoring well MW-1 and recovery well RW-5 were sampled beneath an existing layer of free phase gasoline that was encountered in those wells during the sampling event.

All samples were placed in laboratory-prepared containers, packed in an iced cooler with completed chain-of-custody documents, and shipped to a South Carolina certified laboratory (Pace Analytical Services, Inc., Certification #990060001). The laboratory report including chain-of-custody documents is included in the appendix of this report.

The samples were analyzed for benzene, toluene, ethylbenzene, xylenes, methyl-tert-butyl ether, naphthalene, 1,2-dichloroethane, and oxygenates by EPA Method 8260 and for 1,2-dibromoethane by EPA Method 8011.

GROUNDWATER MONITORING

Groundwater Occurrence and Movement

Water level and free phase gasoline levels, where encountered, were recorded on August 1, 2025 for the monitoring and recovery wells listed above as well as recovery wells RW-4 and RW-8. Water level (or free phase product level) measurements were collected with a hydrocarbon-sensitive interface probe accurate to 0.01 feet. The interface probe was decontaminated prior to and between each measurement to prevent cross-contamination between wells.

The saprolite aquifer underlying the site occurs under unconfined conditions. The top of the water table on the subject property is encountered at a depth of approximately 17 to 26 feet bgs.

The top of casing (TOC) elevations, water level measurements, and groundwater elevation data recorded from 2020 through the present at the site are included in Table 1. Data prior to 2020 was previously provided to the SCDES.

A groundwater elevation map of the shallow saprolite (water table) aquifer (Figure 3) was generated based on water level measurements obtained from the gauged shallow wells. The groundwater flow direction in the upper portion of the aquifer is primarily toward the southeast.

Groundwater Sampling

Groundwater samples were collected from monitoring wells MW-1, MW-12, MW-14, and MW-24 and recovery wells RW-1, RW-2, RW-3, RW-5, RW-6 and RW-7 on August 1, 2025. One (1) field blank, two (1) trip blank, and one (1) duplicate were also collected for QA/QC purposes.

All samples were collected from monitoring and recovery well sampled using a low flow-purging technique with a low-flow peristaltic pump and clean disposable tubing.

Field parameters were measured for each well that did not display free-phase product using a calibrated Horiba U-52 water quality instrument with a flow through cell. Field parameter measurements were recorded on field sheets. Groundwater samples were collected after each well stabilized, as indicated by field parameter measurements. Field data sheets are included in the appendix. Field parameters were not measured at monitoring well MW-1 and recovery well RW-5 because of the presence of free-phase product (gasoline) and the inherent risk to the instrument. These two wells were measured using a low flow purge technique and the purge rate and volume was recorded on the enclosed field sheets.

Groundwater samples were collected and placed in laboratory-prepared containers, packed in an iced cooler with complete chain-of-custody documents, and shipped to a South Carolina certified laboratory (Pace Analytical Services, Inc., Certification #99006001). The laboratory report including chain-of-custody documents is included in the appendix of this report.

The groundwater samples were analyzed for benzene, toluene, ethylbenzene, xylenes, methyl-tert-butyl ether, naphthalene, 1,2-dichloroethane, and oxygenates by EPA Method 8260 and for 1,2-dibromoethane by EPA Method 8011.

Petroleum-impacted groundwater purged during sampling was containerized and transported to SC Waste Management, Inc. in Greer, South Carolina for disposal under manifest control. A copy of the waste disposal manifest is attached.

Free-Phase Product (Gasoline)

All monitoring and recovery wells that were sampled were also gauged for the presence of free-phase product. Free-phase product was encountered at monitoring well MW-1 and recovery wells RW-4 and RW-5 at thicknesses of 0.05 feet, 0.01 feet, and 0.96 feet, respectively. Free-phase product thickness measurements are included in Table 1.

Groundwater Laboratory Data

Tabulated summaries of organic compound groundwater laboratory data collected during this and previous monitoring events dating back to 2020 are included on Tables 2 and 3. Data prior to 2020 was previously provided to the SCDES. A groundwater concentrations map is included as Figure 4.

CONCLUSIONS AND RECOMMENDATIONS

A limited interim groundwater sampling event and the fourth 96-hour AFVR event was performed at the site as outlined in this report. Contaminant concentrations including dissolved and free-phase hydrocarbons appear to be centered around the UST basin and the area downgradient in the vicinity of recovery well RW-5. Steep concentration gradients exist between MW-12 and MW-1 on the northwest (hydraulically upgradient) side of the UST basin as well as the downgradient (southeast side) of the UST basin between recovery well RW-5 and monitoring well MW-X.

Based on the observed reduction in free phase product levels and the apparent concentration of contaminants in the vicinity of recovery well RW-5 the planned approach appears to be working and should be continued with the modification recommended below.

Because of the steep concentration differential upgradient of the UST basin, seventeen (17) planned injection points will be removed from the outermost portion of the injection grid (where

significant petroleum impact has not been observed) and held in reserve for use on-site to polish any remaining areas of persistent petroleum contamination during the 3rd planned injection event or potentially utilized as part of 4th injection event (if deemed necessary after the next round of injection activities have been performed).

FIGURES

Reference: USGS 7.5-Minute series Greenville Quadrangle - 2011; Contour Interval = 10 feet

500 250 0 500

APPROXIMATE SCALE IN FEET

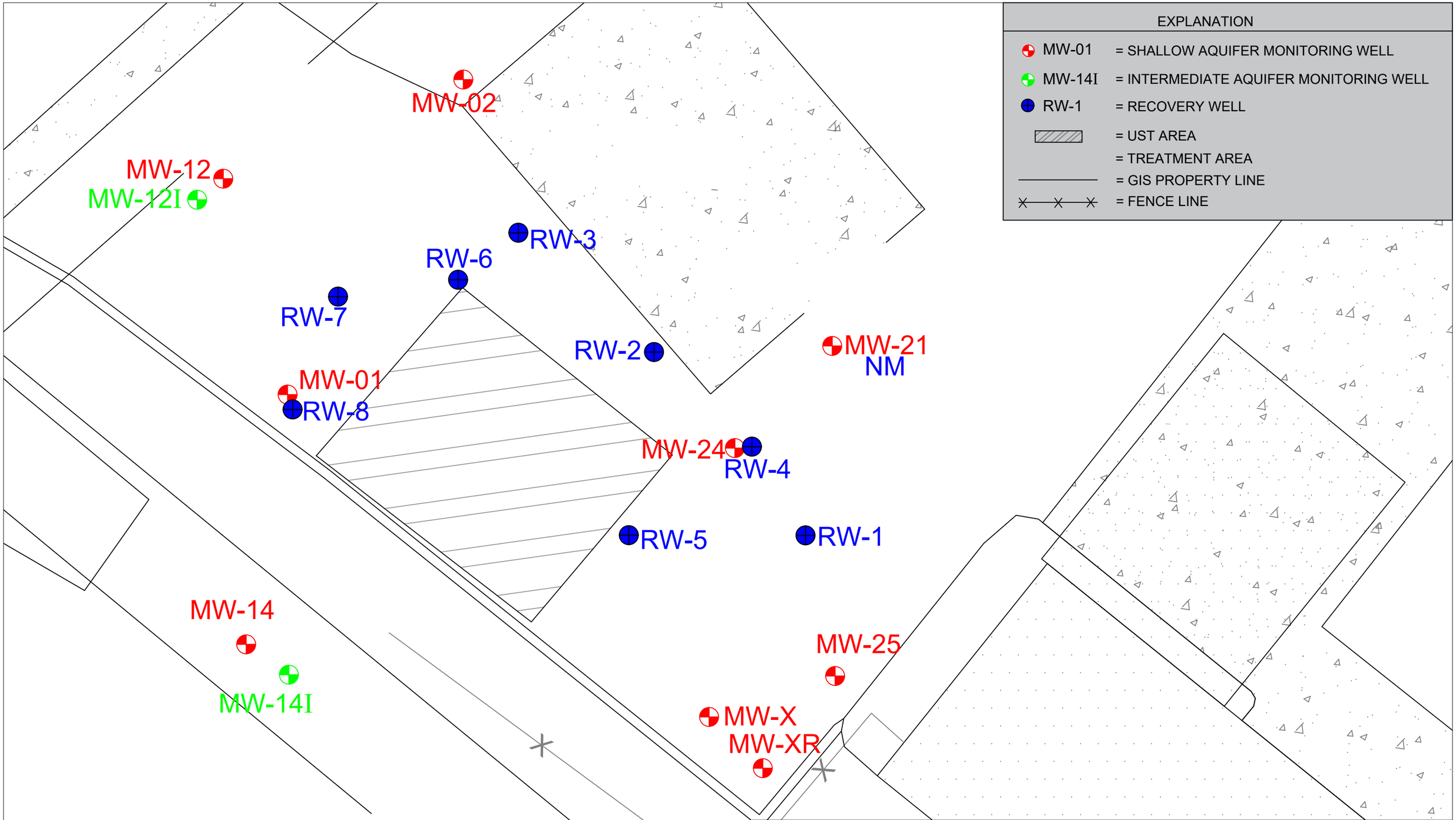
SITE

Private Water Supply Well

Title	Site Location Map
Project	Westside Quick Stop (UST Permit #12430) 821 W. Parker Road Greenville, South Carolina Greenville County
Date	11/26/21
Job No.	J21-977b

petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS

Figure No. 1

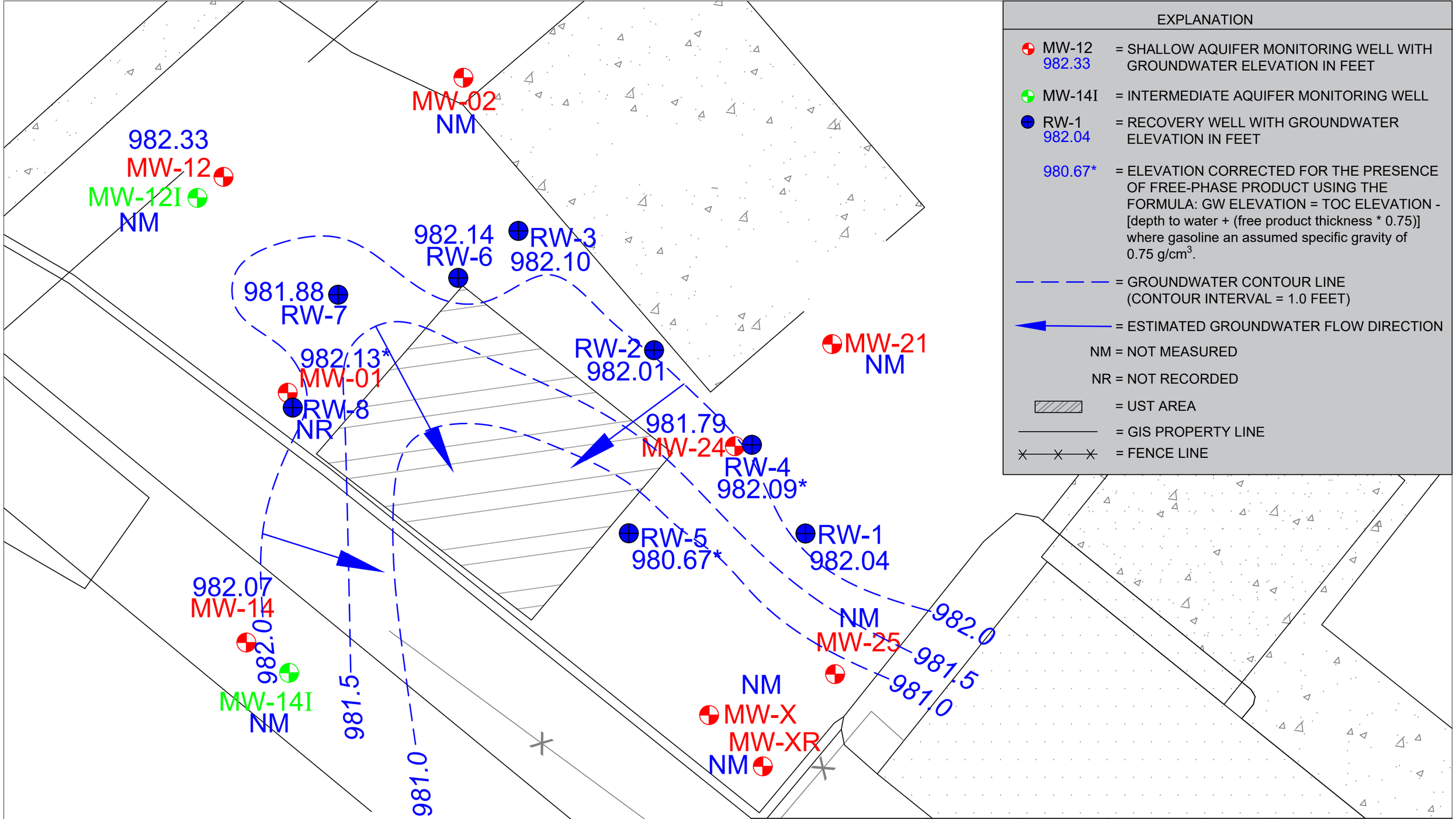


DWG: CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
	06/20/2025	BD	TFD	AS SHOWN	3570	2

ENVIROSOUTH Environmental Consultants

SITE MAP - INTERIM SAMPLING

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA



EXPLANATION

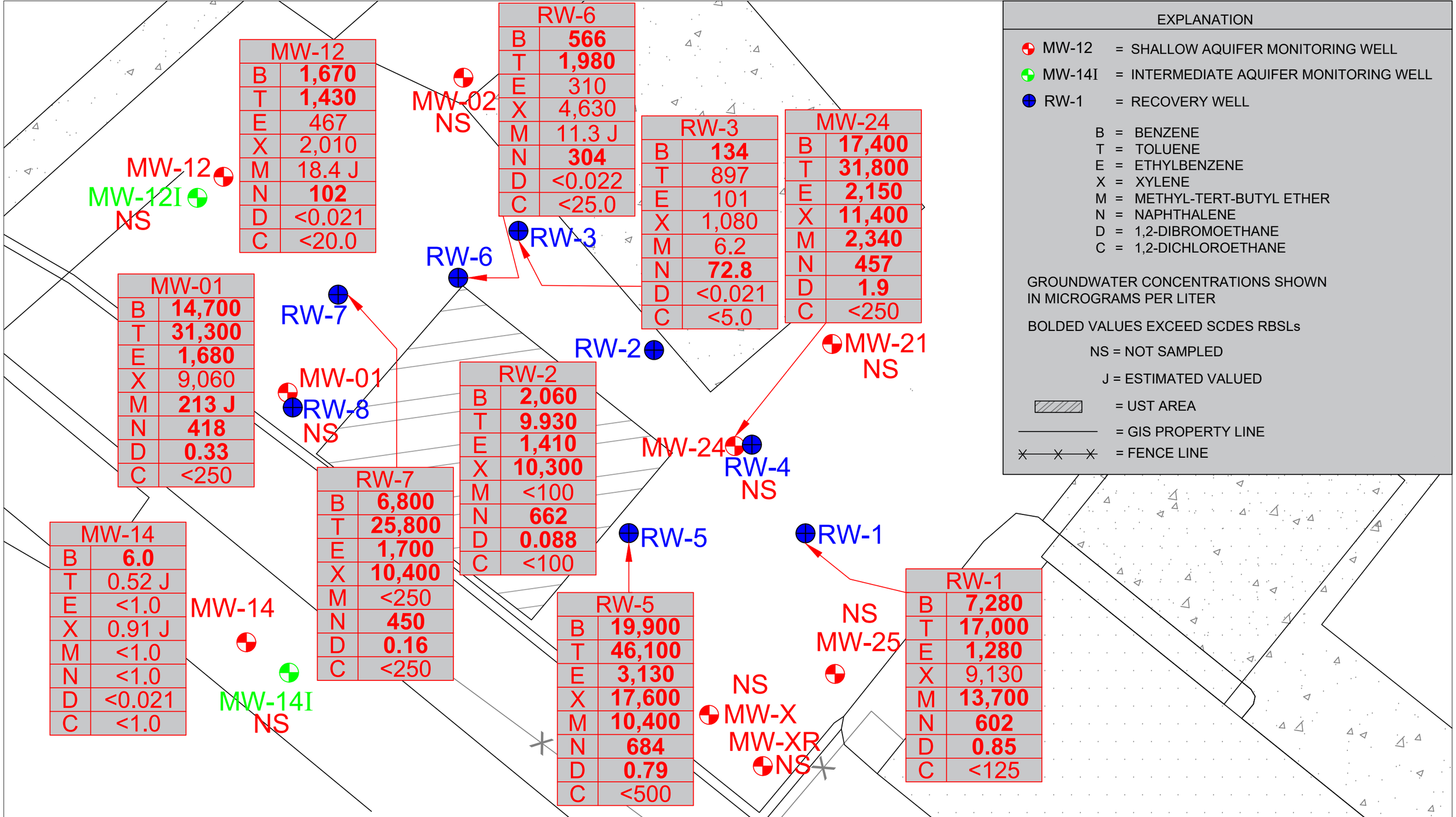
MW-12 982.33	= SHALLOW AQUIFER MONITORING WELL WITH GROUNDWATER ELEVATION IN FEET
MW-14I	= INTERMEDIATE AQUIFER MONITORING WELL
RW-1 982.04	= RECOVERY WELL WITH GROUNDWATER ELEVATION IN FEET
980.67*	= ELEVATION CORRECTED FOR THE PRESENCE OF FREE-PHASE PRODUCT USING THE FORMULA: GW ELEVATION = TOC ELEVATION - [depth to water + (free product thickness * 0.75)] where gasoline an assumed specific gravity of 0.75 g/cm^3.
	= GROUNDWATER CONTOUR LINE (CONTOUR INTERVAL = 1.0 FEET)
	= ESTIMATED GROUNDWATER FLOW DIRECTION
NM	= NOT MEASURED
NR	= NOT RECORDED
	= UST AREA
	= GIS PROPERTY LINE
	= FENCE LINE

DWG: SOUTHER LAND SURVEYING DATED MAY 12, 2018	DATE 08/14/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 3

ENVIROSOUTH Environmental Consultants

GROUNDWATER ELEVATION MAP
(Measured August 1, 2025)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA
SCDES UST ID #12430



MW-12	
B	**1,670**
T	**1,430**
E	467
X	2,010
M	18.4 J
N	**102**
D	<0.021
C	<20.0

RW-6	
B	**566**
T	**1,980**
E	310
X	4,630
M	11.3 J
N	**304**
D	<0.022
C	<25.0

RW-3	
B	**134**
T	897
E	101
X	1,080
M	6.2
N	**72.8**
D	<0.021
C	<5.0

MW-24	
B	**17,400**
T	**31,800**
E	**2,150**
X	**11,400**
M	**2,340**
N	**457**
D	**1.9**
C	<250

MW-01	
B	**14,700**
T	**31,300**
E	**1,680**
X	9,060
M	**213 J**
N	**418**
D	**0.33**
C	<250

RW-2	
B	**2,060**
T	**9.930**
E	**1,410**
X	**10,300**
M	<100
N	**662**
D	**0.088**
C	<100

RW-7	
B	**6,800**
T	**25,800**
E	**1,700**
X	**10,400**
M	<250
N	**450**
D	**0.16**
C	<250

MW-14	
B	**6.0**
T	0.52 J
E	<1.0
X	0.91 J
M	<1.0
N	<1.0
D	<0.021
C	<1.0

RW-5	
B	**19,900**
T	**46,100**
E	**3,130**
X	**17,600**
M	**10,400**
N	**684**
D	**0.79**
C	<500

RW-1	
B	**7,280**
T	**17,000**
E	**1,280**
X	9,130
M	**13,700**
N	**602**
D	**0.85**
C	<125

EXPLANATION

MW-12 = SHALLOW AQUIFER MONITORING WELL

MW-14I = INTERMEDIATE AQUIFER MONITORING WELL

RW-1 = RECOVERY WELL

B = BENZENE
T = TOLUENE
E = ETHYLBENZENE
X = XYLENE
M = METHYL-TERT-BUTYL ETHER
N = NAPHTHALENE
D = 1,2-DIBROMOETHANE
C = 1,2-DICHLOROETHANE

GROUNDWATER CONCENTRATIONS SHOWN IN MICROGRAMS PER LITER

BOLDED VALUES EXCEED SCDES RBSLs

NS = NOT SAMPLED

J = ESTIMATED VALUED

= UST AREA

= GIS PROPERTY LINE

= FENCE LINE

DWG: SOUTHER LAND SURVEYING DATED MAY 12, 2018	DATE 08/14/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 4

ENVIROSOUTH Environmental Consultants

GROUNDWATER CONCENTRATION MAP
(Sampled August 1, 2025)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA
SCDES UST ID #12430

TABLES

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-01	01/13/2020 (Pre-AFVR)	1005.32	30.00	15.00 - 30.00	21.59	21.15	0.44	983.40
	8/19/2020				20.10	Sheen	Sheen	985.22
	9/15/2021				25.24	25.21	0.03	980.06
	12/14/2022				27.79	25.44	2.35	975.77
	09/11/2023 (Pre-AFVR)				26.34	24.79	1.55	977.82
	10/16/2023 (Pre-AFVR)				24.94	24.65	0.29	980.16
	11/13/2023				25.51	25.37	0.14	979.71
	5/8/2025				22.30	21.28	1.02	982.26
	8/1/2025				23.15	23.10	0.05	982.13
MW-02	8/19/2020	1006.20	30.00	15.00 - 30.00	20.96	--	--	985.24
	9/16/2021				26.08	--	--	980.12
	12/14/2022				26.34	--	--	979.86
	11/13/2023				26.27	--	--	979.93
	5/8/2025				22.45	--	--	983.75
MW-03	8/19/2020	1008.49	30.00	15.00 - 30.00	22.69	--	--	985.80
	9/15/2021				28.10	--	--	980.39
	12/14/2022				28.90	--	--	979.59
	11/13/2023				28.19	--	--	980.30
	5/7/2025				24.78	--	--	983.71
MW-04	8/19/2020	1008.27	30.49	20.29 - 30.29	22.24	--	--	986.03
	9/16/2021				27.59	--	--	980.68
	12/14/2022				28.35	--	--	979.92
	11/13/2023				27.76	--	--	980.51
	5/8/2025				24.36	--	--	983.91
MW-04I	8/19/2020	1008.12	53.17	47.97 - 52.97	22.73	--	--	985.39
	9/16/2021				27.97	--	--	980.15
	12/14/2022				28.25	--	--	979.87
	11/13/2023				28.09	--	--	980.03
	5/8/2025				24.38	--	--	983.74
MW-05	8/19/2020	997.73	20.80	10.60 - 20.60	13.33	--	--	984.40
	9/15/2021				18.13	--	--	979.60
	12/14/2022				17.74	--	--	979.99
	11/13/2023	DESTROYED						
MW-06	8/19/2020	998.27	21.47	11.27 - 21.27	13.17	--	--	82.93
	9/15/2021				18.05	--	--	85.12
	12/14/2022				17.97	--	--	80.24
	11/13/2023				18.00	--	--	980.27
	5/8/2025	NOT LOCATED						

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-07	8/19/2020	1005.88	31.04	20.84 - 30.84	20.36	--	--	985.52
	9/15/2021				25.36	--	--	980.52
	12/14/2022	Well Obstructed @ 26.04 Feet						
	11/13/2023	Well Obstructed @ 26.04 Feet						
	5/7/2025				21.50	--	--	984.38
MW-08	8/19/2020	1007.43	31.10	20.90 - 30.90	22.13	--	--	985.30
	9/15/2021				27.25	--	--	980.18
	12/14/2022				27.51	--	--	979.92
	11/13/2023				27.40	--	--	980.03
	5/7/2025				23.55	--	--	983.88
MW-09	8/19/2020	1008.55	30.04	19.84 - 29.84	22.03	--	--	986.52
	9/15/2021				27.43	--	--	981.12
	12/14/2022				28.18	--	--	980.37
	11/13/2023				27.15	--	--	981.40
	5/7/2025				24.13	--	--	984.42
MW-10	8/19/2020	1008.22	30.83	20.63 - 30.63	19.66	--	--	988.56
	9/15/2021				26.10	--	--	982.12
	12/14/2022				28.17	--	--	980.05
	11/13/2023				25.88	--	--	982.34
	5/7/2025				23.93	--	--	984.29
MW-11	8/19/2020	1007.84	30.83	20.63 - 30.63	20.34	--	--	987.50
	9/15/2021				26.32	--	--	981.52
	12/14/2022				28.15	--	--	979.69
	11/13/2023				26.23	--	--	981.61
	5/7/2025				23.75	--	--	984.09
MW-12	8/19/2020	1005.35	35.69	25.49 - 35.49	20.39	--	--	984.96
	9/16/2021				24.96	--	--	980.39
	12/14/2022				25.60	--	--	979.75
	11/13/2023				25.60	--	--	979.75
	5/8/2025				21.63	--	--	983.72
	8/1/2025				23.02	--	--	982.33
MW-12I	8/19/2020	1005.37	45.63	40.43 - 45.43	20.25	--	--	985.12
	9/16/2021				25.47	--	--	979.90
	12/14/2022				25.78	--	--	979.59
	11/13/2023				25.80	--	--	979.57
	5/8/2025				21.67	--	--	983.70
MW-14	8/19/2020	1000.02	25.57	15.37 - 25.37	15.06	--	--	984.96
	9/15/2021				20.13	--	--	979.89
	12/14/2022				20.15	--	--	979.87

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-14	11/13/2023				20.21	--	--	979.81
Continued	5/7/2025				16.31	--	--	983.71
	8/1/2025				17.95	--	--	982.07
MW-14I	8/19/2020	1000.11	67.92	62.72 - 67.72	15.39	--	--	984.72
	9/15/2021				20.35	--	--	979.76
	12/14/2022				20.41	--	--	979.70
	11/13/2023				20.44	--	--	979.67
	5/7/2025				16.51	--	--	983.60
MW-15	8/19/2020	999.88	26.83	16.63 - 26.63	15.37	--	--	984.51
	9/15/2021				20.24	--	--	979.64
	12/14/2022				20.26	--	--	979.62
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.						
	5/7/2025	NOT LOCATED						
MW-15I	8/19/2020	999.88	26.8	16.63 - 26.63	15.37	--	--	984.51
	9/15/2021				20.28	--	--	979.60
	12/14/2022				20.16	--	--	979.72
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.						
	5/7/2025	NOT LOCATED						
MW-16	8/19/2020	1000.63	27.71	17.51 - 27.52	16.04	--	--	984.59
	9/15/2021				21.08	--	--	979.55
	12/14/2022				21.13	--	--	979.50
	11/13/2023				21.23	--	--	979.40
	5/7/2025	WELL DESTROYED						
MW-16I	8/19/2020	1000.72	65.49	60.29 - 65.29	16.23	--	--	984.49
	9/15/2021				21.16	--	--	979.56
	12/14/2022				21.07	--	--	979.65
	11/13/2023				21.28	--	--	979.44
	5/7/2025				17.21	--	--	983.51
MW-17	8/19/2020	999.85	28.82	18.62 - 28.62	16.26	--	--	983.59
	9/15/2021				20.20	--	--	979.65
	12/14/2022				21.22	--	--	978.63
	11/13/2023				20.65	--	--	979.20
	5/7/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS						
MW-17I	8/19/2020	1000.01	60.41	55.21 - 60.21	15.74	--	--	80.48
	9/15/2021				20.65	--	--	83.21
	12/14/2022				21.68	--	--	78.31
	11/13/2023				20.63	--	--	979.38
	5/7/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS						
MW-18	5/7/2025	1002.78	29.30	19.10 - 29.10	WELL HAS NOT BEEN LOCATED SINCE 2019			
MW-18I	5/7/2025	1001.89	65.47	60.27 - 65.27	WELL HAS NOT BEEN LOCATED SINCE 2019			

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-19	8/19/2020	1008.24	39.69	29.49 - 39.49	23.43	--	--	984.81
	9/15/2021				28.45	--	--	979.79
	12/14/2022				28.33	--	--	979.91
	11/13/2023				28.21	--	--	980.03
	11/20/2023	ABANDONED						
MW-19I	8/19/2020	1008.18	70.68	65.48 - 70.48	23.26	--	--	984.92
	9/15/2021				28.48	--	--	979.70
	12/14/2022				28.47	--	--	979.71
	11/13/2023				28.61	--	--	979.57
	11/20/2023	ABANDONED						
MW-20	8/19/2020	1008.01	40.87	30.67 - 40.67	23.22	--	--	984.79
	9/15/2021				27.67	--	--	980.34
	12/14/2022				28.28	--	--	979.73
	11/13/2023				28.04	--	--	979.97
	5/8/2025				24.45	--	--	983.56
MW-21	8/19/2020	1006.73	35.14	24.94 - 34.94	21.64	--	--	985.09
	9/16/2021				26.71	--	--	980.02
	12/14/2022				26.94	26.91	0.03	979.77
	09/18/2023 (Pre AFVR)				25.24	25.16	0.08	981.43
	10/23/2023 (Pre AFVR)				26.21	26.19	0.02	980.51
	11/13/2023				26.90	--	--	979.83
	5/8/2025				23.05	--	--	983.68
MW-22	8/19/2020	1007.12	35.06	24.86 - 34.86	21.65	--	--	985.47
	9/16/2021				26.82	--	--	980.30
	12/14/2022				27.23	--	--	979.89
	11/13/2023				27.00	--	--	980.12
	5/8/2025				23.29	--	--	983.83
MW-22I	8/19/2020	1007.03	49.72	44.52 - 49.52	22.02	--	--	985.01
	9/16/2021				27.06	--	--	979.97
	12/14/2022				27.17	--	--	979.86
	11/13/2023				27.20	--	--	979.83
	5/8/2025				23.35	--	--	983.68
MW-23	8/19/2020	1008.24	39.87	29.67 - 39.67	23.16	--	--	985.08
	9/15/2021				28.27	--	--	979.97
	12/14/2022				28.52	--	--	979.72
	11/13/2023				28.40	--	--	979.84
	11/20/2023	ABANDONED						

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-23I	8/19/2020	1008.21	61.69	56.49 - 61.49	23.40	--	--	984.81
	9/15/2021				28.41	--	--	979.80
	12/14/2022				28.41	--	--	979.80
	11/13/2023				28.32	--	--	979.89
	11/20/2023	ABANDONED						
MW-24	01/13/2020 (Pre-AFVR)	1006.39	35.25	25.05 - 35.05	23.95	23.14	0.81	981.83
	8/19/2020				21.28	Sheen	Sheen	985.11
	02/08/2021 (Pre-AFVR)				20.74	--	--	985.65
	03/22/2021 (Pre-AFVR)				20.04	--	--	986.35
	9/16/2021				26.40	--	--	979.99
	02/28/2022 (Pre-AFVR)				23.21	22.95	0.26	982.99
	03/28/2022 (Pre-AFVR)				21.98	21.95	0.03	984.39
	12/14/2022				27.51	26.39	1.12	978.04
	09/18/2023 (Pre-AFVR)				27.21	26.82	0.39	978.89
	10/23/2023 (Pre-AFVR)				26.41	26.31	0.10	979.91
	11/13/2023				27.24	26.10	1.14	978.30
	5/8/2025				23.65	22.38	1.27	981.79
	8/1/2025				24.60	--	--	981.79
MW-25	8/19/2020	1007.27	38.20	28.00 - 38.00	22.45	--	--	984.82
	9/16/2021				27.47	--	--	979.80
	12/14/2022				27.68	--	--	979.59
	11/13/2023				28.17	--	--	979.10
	5/8/2025				23.66	--	--	983.61
MW-26	8/19/2020	1007.33	36.45	26.25 - 36.25	21.78	--	--	985.55
	9/16/2021				26.98	--	--	980.35
	12/14/2022				27.40	--	--	979.93
	11/13/2023				27.15	--	--	980.18
	5/8/2025				23.51	--	--	983.82
MW-26I	8/19/2020	1007.27	55.11	49.91 - 54.91	21.89	--	--	985.38
	9/16/2021				27.11	--	--	980.16
	12/14/2022				27.42	--	--	979.85
	11/13/2023				27.15	--	--	980.12
	5/8/2025				23.60	--	--	983.67
MW-27	8/19/2020	1006.96	34.70	24.50 - 34.50	21.43	--	--	985.53
	9/15/2021				27.19	--	--	979.77

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-27 Continued	12/14/2022				27.44	--	--	979.52
	11/13/2023				26.80	--	--	980.16
	5//7/25				23.35	--	--	983.61
MW-27I	8/19/2020	1007.08	65.41	60.21 - 65.21	21.96	--	--	985.12
	9/15/2021	NOT LOCATED						
	12/14/2022				27.44	--	--	979.64
	11/13/2023				27.25	--	--	979.83
	5/7/2025				23.41	--	--	983.67
MW-28	8/19/2020	1006.76	35.91	35.71 - 35.71	21.36	--	--	985.40
	9/15/2021				26.40	--	--	980.36
	12/14/2022				26.61	--	--	980.15
	11/13/2023				26.58	--	--	980.18
	5/7/2025				22.66	--	--	984.10
MW-X	8/19/2020	1007.20	30.27	20.07 - 30.07	22.26	--	--	984.94
	9/16/2021				27.31	--	--	979.89
	12/14/2022				28.05	--	--	979.15
	11/13/2023				27.70	--	--	979.50
	5/8/2025				23.52	--	--	983.68
MW-XR	8/19/2020	1007.31	38.25	28.05 - 38.05	22.45	--	--	984.86
	9/16/2021				27.50	--	--	979.81
	12/14/2022				27.63	--	--	979.68
	11/13/2023				28.14	--	--	979.17
	5/8/2025				23.62	--	--	983.69
RW-01	01/13/2020 (Pre-AFVR)	1006.69	40.69	20.49 - 40.49	24.64	22.45	2.19	980.41
	8/19/2020				21.66	Sheen	Sheen	985.03
	02/08/2021 (Pre-AFVR)				21.13	--	--	985.56
	03/22/2021 (Pre-AFVR)				19.63	--	--	987.06
	9/16/2021				26.71	Sheen	Sheen	979.98
	02/28/2022 (Pre-AFVR)				23.38	23.13	0.25	983.12
	03/28/2022 (Pre-AFVR)				22.38	22.32	0.06	984.27
	12/14/2022				26.85	26.79	0.06	979.80
	09/18/2023 (Pre-AFVR)				25.39	25.37	0.02	981.29
	10/23/2023 (Pre-AFVR)				26.37	26.36	0.01	980.31

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
RW-1 Continued	11/13/2023				26.90	26.84	0.06	979.75
	5/8/2025				23.44	22.88	0.56	982.83
	8/1/2025				24.65	--	--	982.04
RW-02	8/19/2020	1006.23	38.08	17.88 - 37.88	21.33	21.18	0.15	984.79
	02/08/2021 (Pre-AFVR)				21.13	20.68	0.45	984.76
	03/22/2021 (Pre-AFVR)				20.04	--	--	986.19
	9/16/2021				26.30	--	--	979.93
	02/28/2022 (Pre-AFVR)				23.94	23.91	0.03	982.27
	03/28/2022 (Pre-AFVR)				21.90	21.89	0.01	984.32
	12/14/2022				26.96	26.31	0.65	978.78
	09/11/2023 (Pre-AFVR)				25.87	25.27	0.60	979.91
	10/16/2023 (Pre-AFVR)				25.68	25.53	0.15	980.44
	11/13/2023				26.65	26.45	0.20	979.43
	5/8/2025				23.55	22.33	1.22	981.77
	8/1/2025				24.22	--	--	982.01
RW-03	8/19/2020	1005.90	40.00	40.0 - 45.0	20.79	--	--	985.11
	9/16/2021				25.91	--	--	979.99
	12/14/2022				27.19	26.12	1.07	977.91
	09/11/2023 (Pre-AFVR)				24.84	23.94	0.90	980.39
	10/16/2023 (Pre-AFVR)				25.23	25.10	0.13	980.57
	11/13/2023				26.07	--	--	979.83
	5/18/2025				NR	--	--	NR
	8/1/2025				23.80	--	--	982.10
RW-04	5/18/2025	1006.72	42.00	22.00 - 42.00	NR	--	--	NR
	8/1/2025				24.62	24.61	0.01	982.09
RW-05	5/18/2025	1006.41	42.00	22.00 - 42.00	22.72	22.66	0.06	983.65
	8/1/2025				25.02	24.06	0.96	980.67
RW-06	5/18/2025	1005.69	42.00	22.00 - 42.00	NR	--	--	NR
	8/1/2025				23.55	--	--	982.14
RW-07	5/18/2025	1005.58	42.00	22.00 - 42.00	21.81	21.78	0.03	983.77
	8/1/2025				23.70	--	--	981.88

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
RW-08	5/18/2025	1005.33	42.00	22.00 - 42.00	NR	--	--	NR
	8/1/2025				NR	--	--	NR

Notes:

1) *All units expressed in feet*
2) *Top of casing elevations, data prior to 2025, well depths, and screen intervals obtained from December 2023 Report of AFVR & Groundwater Sampling*
3) *2025 data collected and reported by EnviroSouth, Inc. personnel.*
4) *BTOC = below top of PVC well casing*
5) *NR = Not Recorded*
6) *Water elevations corrected for wells containing free-phase product using the following formula: GW Elevation = TOC Elevation - [depth to water + (free product thickness * 0.75)] where gasoline has an assumed specific gravity of 0.75 g/cm^3,*

EnviroSouth Environmental Consultants

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-01	8/22/2020	**14,000**	**43,400**	**3,050**	**16,400**	<1,240	<836	<0.011	<824
	9/16/2021	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	12/15/2022	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	11/13/2023	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	5/8/2025	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	8/1/2025	**14,700**	**31,300**	**1,680**	9,060	**213 J**	**418**	**0.33**	<250
MW-02	8/22/2020	**209**	4.3 J	<3.7	120	<6.2	<4.2	<0.011	<4.1
Duplicate C	8/22/2020	**233**	10.3	5.8 J	137	<6.2	<4.2	<0.011	<4.1
	9/16/2021	**320**	72	32	200	<2.0	<2.0	<0.0049	<2.0
Duplicate C	9/16/2021	**320**	94	43	250	2.2	1.8	<0.0052	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
Duplicate C	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0082	NS
	12/15/2022	**106**	7.9	4.1 J	30.6	<3.1	<2.1	<0.0076	<2.1
	11/14/2023	**69**	5.7	1.5	15	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.021	<1.0
MW-03	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0082	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-04	8/20/2020	**13.7**	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/16/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	12/15/2022	**11.8**	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<2.1
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-04I	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/16/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0078	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-5	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	17.6	<3.1	<2.1	<0.0076	<2.1
	11/13/2023	**DESTROYED**							
MW-6	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/24/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	**NOT LOCATED**							
MW-7	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0052	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0082	NS
	12/15/2022	**WELL OBSTRUCTED @ 26.04**							
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-8	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0079	<2.1

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-8	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
Continued	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-9	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0084	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-10	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-11	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-12	8/22/2020	**3,440**	**9,080**	**1,270**	5,860	<155	**110 J**	<0.011	<103
Duplicate	8/22/2020	**3,730**	**8,780**	**1,200**	5,560	<155	**105 J**	<0.011	<103
	9/16/2021	**3,600**	**8,900**	**1,200**	5,900	<40	**200**	<0.50	<40
Duplicate	9/16/2021	**3,400**	**8,300**	**1,200**	5,700	<40	**210**	<0.28	<40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0091	NS
Duplicate	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0089	NS
	12/15/2022	**547**	**1,470**	224	1,140	<31.0	**47.3 J**	<0.0076	<20.6
Duplicate	12/15/2022	**547**	**1,390**	211	1,050	<31.0	**54.8**	<0.0074	<20.6
	11/14/2023	**3,200**	**7,600**	**1,300**	5,400	25	**300**	<0.020	**44**
	5/8/2025	**2,090**	721	**719**	2,830	13.9 J	**172**	<0.019	<20.0
Duplicate 1	5/8/2025	**2,100**	730	**719**	2,850	13.4 J	**168**	<0.020	<20.0
	8/1/2025	**1,580**	**1,380**	442	1,980	18.4 J	**96.3**	<0.021	<20.0
Duplicate	8/1/2025	**1,670**	**1,430**	467	2,010	13.3	**102**	<0.021	<10.0
MW-12I	8/22/2020	**1,820**	**5,530**	**871**	3,910	<155	109 J	<0.011	<103
	9/16/2021	**820**	<1,200	470	1,500	<8.0	81	<0.0050	<8.0
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/14/2023	**5.6**	<1.0	6.6	<1.0	<1.0	<5.0	<0.021	<1.0
	5/8/2025	**7.3**	37.4	5.8	57.8	<1.0	18.7	<0.020	<1.0
MW-14	8/19/2020	**278**	49.5	31.4	181	<6.2	<4.2	<0.011	<4.1
	9/15/2021	**180**	17	3.5	98	<0.40	<0.40	<0.050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0077	NS
	12/14/2022	**90.7**	8.2	<1.8	48.8	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	**39**	2.8	<1.0	18	<1.0	<5.0	<0.020	<1.0
	5/7/2025	**6.7**	0.73 J	<1.0	0.74 J	<1.0	<1.0	<0.020	<1.0
	8/1/2025	**6.0**	0.52 J	<1.0	0.91 J	<1.0	<1.0	<0.021	<1.0

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-14I	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.021	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-15	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	**NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.**							
	5/8/2025	**NOT LOCATED**							
MW-15I	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0082	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/13/2023	**NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.**							
	5/8/2025	**NOT LOCATED**							
MW-16	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	**WELL DESTROYED**							
MW-16I	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40

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WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-16I	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
Continued	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-17	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0082	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	**WELL OBSTRUCTED BY CONSTRUCTION DEBRIS**							
MW-17I	8/19/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	**WELL OBSTRUCTED BY CONSTRUCTION DEBRIS**							
MW-18	5/8/2025	**WELL HAS NOT BEEN LOCATED SINCE 2019**							
MW-18I	5/8/2025	**WELL HAS NOT BEEN LOCATED SINCE 2019**							
MW-19	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0076	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	11/20/2023	**WELL ABANDONED**							
MW-19I	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	0.65	<0.40	<0.0049	<0.40

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WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-19I	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
Continued	12/14/2022	<1.7	<2.0	<1.8	<5.0	3.4 J	<2.1	<0.0073	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	5.0	<5.0	<0.020	<1.0
	11/20/2023	**WELL ABANDONED**							
MW-20	8/20/2020	**1,140**	234	232	153	**40.8 J**	22.4 J	<0.011	<20.6
	9/15/2021	**520**	280	160	110	32	20	<0.0049	<8.0
Duplicate A	9/15/2021	**350**	160	130	68	31	20	<0.053	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0084	NS
Duplicate A	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0079	NS
	12/14/2022	**408**	55.1	165	40.6	34.5	14.4 J	<0.0075	<8.2
	11/14/2023	**120**	5.6	71	2.8	**59**	**34**	<0.020	<1.0
	5/8/2025	**24.4**	2.0 J	13.3	<4.0	38.8	10.7	<0.020	2.3 J
MW-21	8/22/2020	**3,860**	**5,310**	**2,150**	9,260	**817**	**690**	<0.011	<103
	9/16/2021	**4,400**	**9,000**	**2,400**	**11,000**	**1,100**	**730**	**2.2**	<4.0
	12/15/2022	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	11/14/2023	**2,900**	**3,900**	**1,400**	6,200	**550**	**870**	**0.420**	<1.0
Duplicate	11/14/2023	**3,100**	**4,400**	**1,500**	6,000	**640**	**530**	**0.637**	<1.0
	5/8/2025	**679**	269	212	580	**131**	**183**	<0.019	<5.0
Duplicate 2	5/8/2025	**663**	291	213	611	**127**	**180**	<0.020	2.8 J
MW-22	8/22/2020	4.6 J	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/16/2021	**7.6**	<0.40	<0.40	0.93	<0.40	<0.40	<0.0050	<0.40
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0076	<2.1
	11/14/2023	2.7	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-22I	8/22/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/16/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0048	<0.40

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GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-22I	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0075	<2.1
Continued	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-23	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0081	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	9.4	<2.1	<0.0077	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	11/20/2023	**ABANDONED**							
MW-23I	8/20/2020	**2,670**	52.9 J	<46.0	<125	**273**	<52.2	<0.011	<51.5
	9/15/2021	**5,400**	55	200	<40	**390**	**200**	<0.048	**60**
	12/14/2022	**2,180**	<40.2	276	<100	**516**	**347**	<0.0076	<41.2
	11/14/2013	3.2	<1.0	6.4	<1.0	**230**	<5.0	<0.020	**12**
	11/20/2023	**ABANDONED**							
MW-24	8/22/2020	**26,300**	**50,700**	**3,910**	**20,000**	**20,600**	<836	**3.4**	<824
	9/16/2021	**24,000**	**48,000**	**3,800**	**21,000**	**11,000**	**980**	**4.7**	<200
	10/11/2021	NS	NS	NS	NS	NS	NS	**2.0**	NS
	12/15/2022	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	11/13/2023	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	5/8/2025	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	8/1/2025	**17,400**	**31,800**	**2,150**	**11,400**	**2,340**	**457**	**1.9**	<250
MW-25	8/22/2020	**703**	163	38.4	327	**79.1**	<10.4	<0.011	<10.3
	9/16/2021	**990**	470	45	320	**130**	8.8	<0.25	<4.0
	12/15/2022	**672**	<10.0	<9.2	32.7	**948**	<10.4	<0.0075	<10.3
	11/14/2023	**920**	1.0	<1.0	43	**1,400**	7.7	<0.019	**16**
	5/8/2025	**995**	120	40.4	162	**2,390**	22.5	<0.019	<20.0

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WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-26	8/20/2020	**15.4**	<2.0	<1.8	<5.0	<3.1	<2.1	<0.012	<2.1
	9/16/2021	0.85	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0048	<0.40
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0078	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-26I	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0049	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0049	<0.40
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0076	<2.1
	11/14/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/8/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-27	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/13/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0076	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.019	<1.0
MW-27I	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	**NOT LOCATED**							
	12/14/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0074	<2.1
	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-28	8/20/2020	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.011	<2.1
	9/15/2021	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.0050	<0.40
	10/11/2021	NS	NS	NS	NS	NS	NS	<0.0080	NS
	12/15/2022	<1.7	<2.0	<1.8	<5.0	<3.1	<2.1	<0.0073	<2.1

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WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
MW-28	11/13/2023	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<0.020	<1.0
Continued	5/7/2025	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<0.020	<1.0
MW-X	8/22/2020	**2,880**	**7,500**	571	4,130	**2,580**	**134 J**	<0.011	<103
Duplicate	8/22/2020	**3,220**	**7,440**	550	4,030	**3,270**	**109 J**	<0.012	<103
MW-X	9/16/2021	**5,400**	**7,800**	**1,000**	6,600	**4,100**	**200**	**0.057**	<40
Continued	12/15/2022	**3,250**	549	477	3,530	**1,830**	**76.4 J**	<0.0075	<51.5
Duplicate	12/15/2022	**3,220**	506	443	3,380	**1,600**	**64.2 J**	<0.0076	<51.5
	11/14/2023	**4,800**	**1,400**	410	3,700	**2,600**	**73**	0.045	<1.0
Duplicate	11/14/2023	**4,700**	**1,400**	440	3,800	**2,600**	**65**	0.044	**54**
	5/8/2025	**3,660**	**4,240**	621	3,720	**1,310**	**108**	<0.020	<25.0
MW-XR	8/22/2020	**45.6**	5.7	<1.8	50.8	28.9	<2.1	<0.011	<2.1
	9/16/2021	**12**	<0.40	<0.40	3.5	32	<0.40	<0.0050	<0.40
	12/15/2022	**249**	<4.0	<3.7	93.1	29.1	<4.2	<0.0074	<4.1
	11/14/2023	**470**	1.8	<1.0	140	**69**	<5.0	<0.020	**10**
	5/8/2025	2.7	0.65 J	<1.0	55.0	24.6	0.70 J	<0.020	<1.0
RW-01	8/22/2020	**21,500**	**35,600**	**2,320 J**	<5,000	**105,000**	<2,090	**2.9**	<2,060
	9/16/2021	**29,000**	**46,000**	**2,700**	**15,000**	**60,000**	**670**	**4.1**	<200
	12/15/2022	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	11/13/2023	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	5/8/2025	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	8/1/2025	**7,280**	**17,000**	**1,280**	9,130	**13,700**	**602**	**0.85**	<125
RW-02	8/20/2020	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	9/16/2021	**16,000**	**33,000**	**2,200**	**13,000**	<200	**600**	**0.46**	<200
	12/15/2022	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	11/13/2023	**NOT SAMPLED - FREE-PHASE PRODUCT**							

TABLE 2

GROUNDWATER LABORATORY DATA
(ORGANICS)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	BENZENE	TOLUENE	ETHYLBENZENE	XYLENE (TOTAL)	METHYL-TERT-BUTYL ETHER	NAPHTHALENE	1,2-DIBROMOETHANE (EDB)	1,2-DICHLOROETHANE
RW-02	5/8/2025	NOT SAMPLED - FREE-PHASE PRODUCT							
Continued	8/1/2025	**2,060**	**9,930**	**1,410**	**10,300**	<100	**662**	**0.088**	<100
RW-03	8/22/2020	**84.7**	35.3	38.4	188	6.5	3.0 J	<0.011	<2.1
	9/16/2021	**960**	340	280	2,400	33.0	**76.0**	0.037	<8.0
	12/15/2022	NOT SAMPLED - FREE-PHASE PRODUCT							
	11/14/2023	**1,000**	**1,100**	**1,300**	6,000	16.0	**170**	<0.020	**23.0**
	5/8/2025	NOT SAMPLED - GAUGED ONLY							
	8/1/2025	**134**	897	101	1,080	6.2	**72.8**	<0.021	<5.0
RW-04	5/8/2025	NOT SAMPLED - GAUGED ONLY							
	8/1/2025	NOT SAMPLED - GAUGED ONLY							
RW-05	5/8/2025	NOT SAMPLED - FREE-PHASE PRODUCT							
	8/1/2025	**19,900**	**46,100**	**3,130**	**17,600**	**10,400**	**684**	**0.79**	<500
RW-06	5/8/2025	NOT SAMPLED - GAUGED ONLY							
	8/1/2025	**566**	**1,980**	310	4,630	11.3 J	**304**	<0.022	<25.0
RW-07	5/8/2025	NOT SAMPLED - FREE-PHASE PRODUCT							
	8/1/2025	**6,800**	**25,800**	**1,700**	**10,400**	<250	**450**	**0.16**	<250
RW-08	5/8/2025	NOT SAMPLED - GAUGED ONLY							
	8/1/2025	NOT SAMPLED - GAUGED ONLY							
MCL/RBSL		**5.0**	**1,000**	**700**	**10,000**	**40.0**	**25.0**	**0.05**	**5.0**

Notes:

1) *All units expressed in micrograms per liter (ug/L)*
2) *MCL = South Carolina maximum contaminant level for drinking water, including all groundwaters of the state*
3) *RBSL = South Carolina risk-based screening level for petroleum-impacted sites*
5) *Concentrations shown in bold exceed MCL and/or RBSL*
6) *J = Estimated value*
7) *NS = Not Sampled*
8) *Data collected prior to 2025 was obtained from December 2023 Report of AFVR & Groundwater Sampling. 2025 data was collected and reported by EnviroSouth, Inc. personnel.*

EnviroSouth Environmental Consultants

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-01	8/22/2020	<3,380	<21,600	<1,220	<1,400	<57,600	<9,640	<36,400	<26,200
	9/16/2021	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	12/15/2022	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	11/13/2023	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	5/8/2025	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	8/1/2025	<2,500	<25,000	<2,500	**981**	<50,000	<12,500	<25,000	<25,000
MW-02	8/22/2020	<16.9	<108	<6.1	<7.0	<288	<48.2	<182	<131
Duplicate C	8/22/2020	<16.9	<108	<6.1	<7.0	<288	<48.2	<182	132 J
	9/16/2021	<2.0	<40	<2.1	5.1	<260	<10	<40	**310**
Duplicate C	9/16/2021	<0.40	<8.0	0.5	5.6	<52	<2.0	16	**340**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
Duplicate C	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	166
	11/14/2023	<10	<100	<1.0	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	0.52 J	<200	<50.0	<100	<100
MW-03	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-04	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-04I	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<1.0	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-5	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	12/14/2022	<10	<100	<10	<10	<100	<100	<100	<100
	11/13/2023	DESTROYED							
MW-6	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/24/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	NOT LOCATED							
MW-7	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	WELL OBSTRUCTED @ 26.04							
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-8	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-8	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
Continued	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-9	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-10	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-11	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-12	8/22/2020	<423	<2,700	<152	<174	<7,200	<1,200	<4,550	**6,780**
Duplicate	8/22/2020	<423	<2,700	<152	<174	<7,200	<1,200	<4,550	**7,980**
	9/16/2021	<40	<800	<42	49	<5,200	<200	<800	**7,800**
Duplicate	9/16/2021	<40	<800	<42	50	<5,200	<200	<800	**8,600**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
Duplicate	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<84.6	<539	<30.4	<34.9	<1,440	<241	<910	**3,350**
Duplicate	12/15/2022	<84.6	<530	<30.4	<34.9	<1,440	<241	<910	**3,160**
	11/14/2023	<10	<100	<10	50	<100	490	<100	**4,500**
	5/8/2025	<200	<2,000	<200	33.3	<4,000	<1,000	<2,000	**5,300**
Duplicate 1	5/8/2025	<200	<2,000	<200	34.9	<4,000	<1,000	<2,000	**5,370**
	8/1/2025	<200	<2,000	<200	27.4	<4,000	<1,000	<2,000	**4,060**
Duplicate	8/1/2025	<100	<1,000	<100	32.3	<2,000	<500	293 J	**4,910**
MW-12I	8/22/2020	<423	<2,700	<152	<174	<7,200	<1,200	<4,550	<3,280
	9/16/2021	<8.0	<160	<8.4	32	<1,000	<40	<160	**970**
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-14	8/19/2020	<16.9	<108	<6.1	<7.0	<288	<48.2	<182	**1,870**
	9/15/2021	<0.40	<8.0	<0.42	1.7	<52	<2.0	63	**1,000**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	**654**
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	**420**
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	65.0 J
	8/1/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	87.0 J

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-14I	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-15	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.							
	5/8/2025	NOT LOCATED							
MW-15I	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.							
	5/8/2025	NOT LOCATED							
MW-16	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	WELL DESTROYED							
MW-16I	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-16I	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
Continued	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-17	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS							
MW-17I	8/19/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS							
MW-18	5/8/2025	WELL HAS NOT BEEN LOCATED SINCE 2019							
MW-18I	5/8/2025	WELL HAS NOT BEEN LOCATED SINCE 2019							
MW-19	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	11/20/2023	WELL ABANDONED							
MW-19I	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	1.6	<52	<2.0	<8.0	<8.0

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-19I	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
Continued	12/14/2022	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	11/20/2023	WELL ABANDONED							
MW-20	8/20/2020	<84.5	<539	<30.4	**221**	<1,440	<241	<910	**10,900**
	9/15/2021	<2.0	<40	2.4	**210**	<260	<10	530	**11,000**
Duplicate A	9/15/2021	<2.0	<40	<2.1	**220**	<260	<10	480	**11,000**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
Duplicate A	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<33.8	<216	<12.2	**209**	<576	<96.4	599	**11,800**
	11/14/2023	<10	<100	<10	**220**	<100	540	<100	**13,000**
	5/8/2025	<40.0	<400	<40.0	**192**	<800	<200	427	**10,800**
MW-21	8/22/2020	<423	<2,700	<152	**208 J**	7,200	<1,200	<4,550	**11,500**
	9/16/2021	<40	<800	82	**310**	5,200	<200	1,100	**12,000**
	12/15/2022	NOT SAMPLED - FREE-PHASE PRODUCT							
	11/14/2023	<10	<100	49	**210**	<100	810	<100	**12,000**
Duplicate	11/14/2023	<10	<100	51	**260**	<100	710	<100	**11,000**
	5/8/2025	<50.0	<500	<50.0	73.8	<1,000	<250	168 J	**2,040**
Duplicate 2	5/8/2025	<50.0	<500	<40.0	75.5	<1,000	<250	164 J	**1,960**
MW-22	8/22/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-22I	8/22/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-22I	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
Continued	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-23	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	9.6	<144	<24.1	<91.0	**302**
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	11/20/2023	ABANDONED							
MW-23I	8/20/2020	<212	<1,350	<76.0	**372**	3,600	<602	<2,280	**9,640**
	9/15/2021	1.4	<8.0	15	**610**	<52	<2.0	940	**19,000**
	12/14/2022	<169	<1,080	61	**687**	<2,880	<482	<1,820	**29,300**
	11/14/2013	<10	<100	13	**220**	<100	640	<100	**11,000**
	11/20/2023	ABANDONED							
MW-24	8/22/2020	<3,380	<21,600	<1,200	**2,160**	**94,300**	<9,640	<36,400	**46,000**
	9/16/2021	<200	<4,000	**940**	**2,400**	<26,000	<1,000	<4,000	**39,000**
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	11/13/2023	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	5/8/2025	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	8/1/2025	<2,500	<25,000	<2,500	**1,590**	<50,000	<12,500	<25,000	**18,400 J**
MW-25	8/22/2020	**703**	163	38.4	**327**	79.1	<10.4	<0.011	<10.3
	9/16/2021	**990**	470	45	**320**	130	8.8	<0.25	<4.0
	12/15/2022	**672**	<10.0	<9.2	32.7	948	<10.4	<0.0075	<10.3
	11/14/2023	**920**	1.0	<1.0	43	1,400	7.7	<0.019	16
	5/8/2025	<200	<2,000	<200	27.0	<4,000	<1,000	<2,000	**1,490 J**

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-26	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/16/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-26I	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	12/15/2022	<8.5	<53.9	<3.0	<3.5	<!44	<24.1	<91.0	<65.6
	11/14/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/8/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-27	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/13/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/14/2022	<8.5	<53.9	<3.0	9.6	<144	<24.1	<91.0	302
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-27I	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	**NOT LOCATED**							
	12/14/2022	<8.5	<53.9	<3.0	9.6	<144	<24.1	<91.0	**302**
	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-28	8/20/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	<65.6
	9/15/2021	<0.40	<8.0	<0.42	<0.40	<52	<2.0	<8.0	<8.0
	10/11/2021	NS	NS	NS	NS	NS	NS	NS	NS
	12/15/2022	<8.5	<53.9	<3.0	9.6	<144	<24.1	<91.0	302

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
MW-28	11/13/2023	<10	<100	<10	<10	<100	<100	<100	<100
Continued	5/7/2025	<10.0	<100	<10.0	<1.0	<200	<50.0	<100	<100
MW-X	8/22/2020	<423	<2,700	<152	<174	<7,200	<1,200	<4,550	**4,910 J**
Duplicate	8/22/2020	<423	<800	<152	**223 J**	<7,200	<1,200	<4,550	**5,100**
	9/16/2021	<40	<800	100	**290**	<5,200	<200	<800	**5,700**
	12/15/2022	<212	<1,350	<76.0	136	<3,600	<602	<2,280	**4,050**
Duplicate	12/15/2022	<212	<1,350	<76.0	119 J	<3,600	<602	<2,280	**3,500**
	11/14/2023	<10	<100	63	**170**	<100	580	<100	**2,700**
Duplicate	11/14/2023	<10	<100	64	**160**	<100	560	<100	**2,700**
	5/8/2025	<250	<2,500	<250	91.3	<5,000	<1,250	<2,500	**5,320**
MW-XR	8/22/2020	<8.5	<53.9	<3.0	<3.5	<144	<24.1	<91.0	**290**
	9/16/2021	<0.40	<8.0	0.67	2.8	<52	<2.0	20.0	130
	12/15/2022	<16.9	<108	<6.1	<7.0	<288	<48.2	<182	**653**
	11/14/2023	<10	<100	<10	<10	<100	120	<100	**1,000**
	5/8/2025	<10.0	<100	<10.0	2.1	<200	<50.0	64.1 J	**657**
RW-01	8/22/2020	<8,460	<53,900	<3,040	<3,490	<144,000	<24,100	<91,000	<65,600
	9/16/2021	<200	<4,000	**1,100**	**2,800**	<26,000	<1,000	**17,000**	**83,000**
	12/15/2022	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	11/13/2023	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	5/8/2025	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	8/1/2025	<1,250	<12,500	<1,250	**322**	<25,000	<6,250	<12,500	<12,500
RW-02	8/20/2020	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	9/16/2021	<200	<4,000	<210	**470**	<26,000	<1,000	<4,000	**9,700**
	12/15/2022	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	11/13/2023	**NOT SAMPLED - FREE-PHASE PRODUCT**							

TABLE 3

GROUNDWATER LABORATORY DATA
(OXYGENATES)

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE SAMPLED	ETHYL-TERT-BUTYL ETHER	3,3-DIMETHYL-1-BUTANOL	TERT-AMYLMETHYL ETHER	DIISOPROPYL ETHER	ETHANOL	TERT-BUTYL FORMATE	TERT-BUTYL ALCOHOL	TERT-AMYL ALCOHOL
RW-02	5/8/2025	**NOT SAMPLED - FREE-PHASE PRODUCT**							
Continued	8/1/2025	<1,000	<10,000	<1,000	<100	<20,000	<5,000	<10,000	<10,000
RW-03	8/22/2020	<8.5	<53.9	<3.0	4.1 J	<144	<24.1	<91.0	**259**
	9/16/2021	<8.0	<160	<8.4	31.0	<1,000	<40	180	**3,300**
	12/15/2022	**NOT SAMPLED - FREE PHASE PRODUCT**							
	11/14/2023	<10	<100	<10	21.0	<100	<100	<100	**2,000**
	5/8/2025	**NOT SAMPLED - GAUGED ONLY**							
	8/1/2025	<50.0	<500	<50.0	10.5	<1,000	<250	<500	**837**
RW-04	5/8/2025	**NOT SAMPLED - GAUGED ONLY**							
	8/1/2025	**NOT SAMPLED - GAUGED ONLY**							
RW-05	5/8/2025	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	8/1/2025	<5,000	<50,000	<5,000	**2,670**	**710,000**	<25,000	<50,000	**27,100 J**
RW-06	5/8/2025	**NOT SAMPLED - GAUGED ONLY**							
	8/1/2025	<250	<2,500	<250	21.9 J	<5,000	<1,250	<2,500	**2,390 J**
RW-07	5/8/2025	**NOT SAMPLED - FREE-PHASE PRODUCT**							
	8/1/2025	<2,500	<25,000	<2,500	**243 J**	<50,000	<12,500	<25,000	<25,000
RW-08	5/8/2025	**NOT-SAMPLED - GAUGED ONLY**							
	8/1/2025	**NOT-SAMPLED - GAUGED ONLY**							
SCDES ACTION LEVELS		**47.0**	**--**	**128**	**150**	**10,000**	**--**	**1,400**	**240**

Notes:

1) *All units expressed in micrograms per liter (ug/L)*
2) *Action Levels = South Carolina action levels for groundwater in programmatic QAPP 4.0 Table D2. Action levels were added to the programmatic QAPP in September 2014.*
3) *-- = No action level established*
4) *Concentrations shown in bold exceed Action Level.*
5) *J = Estimated value*
6) *NS = Not Sampled*
7) *Data collected prior to 2025 was obtained from December 2023 Report of AFVR & Groundwater Sampling. 2025 data was collected and reported by EnviroSouth, Inc. personnel.*

EnviroSouth Environmental Consultants

LABORATORY REPORT

Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

August 11, 2025

Tom Donn
EnviroSouth, Inc.
3440 Augusta Rd.
Greenville, SC 29605

RE: Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Dear Tom Donn:

Enclosed are the analytical results for sample(s) received by the laboratory on August 04, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Anna Johnson

Anna Johnson for
Matthew Brainard
matthew.brainard@pacelabs.com
704-977-0942
Project Manager

Enclosures

cc: Beth Dalke, EnviroSouth
Jennifer Lezcano, EnviroSouth
William Lyons, EnviroSouth
Allen Meadows, EnviroSouth
Keigan Mennetti, EnviroSouth
Annette St. Pierre, Envirosouth

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Pace Analytical Services, LLC
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Pace Analytical Services Charlotte

South Carolina Laboratory ID: 99006
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Laboratory ID: 99006

South Carolina Certification #: 99006001
South Carolina Drinking Water Cert. #: 99006003
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
Louisiana DoH Drinking Water #: LA029
Virginia/VELAP Certification #: 460221

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE SUMMARY

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92810644001	**TB-1**	Water	08/01/25 09:00	08/04/25 09:35
92810644002	**FB-1**	Water	08/01/25 09:15	08/04/25 09:35
92810644003	**DUPLICATE**	Water	08/01/25 00:00	08/04/25 09:35
92810644004	**RW-1**	Water	08/01/25 13:00	08/04/25 09:35
92810644005	**MW-12**	Water	08/01/25 10:00	08/04/25 09:35
92810644006	**MW-1**	Water	08/01/25 10:10	08/04/25 09:35
92810644007	**RW-3**	Water	08/01/25 11:25	08/04/25 09:35
92810644008	**MW-14**	Water	08/01/25 09:35	08/04/25 09:35
92810644009	**RW-6**	Water	08/01/25 11:00	08/04/25 09:35
92810644010	**RW-5**	Water	08/01/25 12:30	08/04/25 09:35
92810644011	**MW-24**	Water	08/01/25 12:15	08/04/25 09:35
92810644012	**RW-7**	Water	08/01/25 10:35	08/04/25 09:35
92810644013	**RW-2**	Water	08/01/25 11:50	08/04/25 09:35

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9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92810644001	**TB-1**	EPA 8260D	SAS	20	PASI-C
92810644002	**FB-1**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92810644003	**DUPLICATE**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92810644004	**RW-1**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92810644005	**MW-12**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92810644006	**MW-1**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92810644007	**RW-3**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92810644008	**MW-14**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	SAS	20	PASI-C
92810644009	**RW-6**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92810644010	**RW-5**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92810644011	**MW-24**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92810644012	**RW-7**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C
92810644013	**RW-2**	EPA 8011	SMS1	2	PASI-C
		EPA 8260D	TMH	20	PASI-C

PASI-C = Pace Analytical Services - Charlotte

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SUMMARY OF DETECTION

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810644003	**DUPLICATE**					
EPA 8260D	tert-Amyl Alcohol	4910	ug/L	1000	08/08/25 03:19	
EPA 8260D	Benzene	1670	ug/L	10.0	08/08/25 03:19	
EPA 8260D	tert-Butyl Alcohol	293J	ug/L	1000	08/08/25 03:19	
EPA 8260D	Diisopropyl ether	32.3	ug/L	10.0	08/08/25 03:19	
EPA 8260D	Ethylbenzene	467	ug/L	10.0	08/08/25 03:19	
EPA 8260D	Methyl-tert-butyl ether	13.3	ug/L	10.0	08/08/25 03:19	
EPA 8260D	Naphthalene	102	ug/L	10.0	08/08/25 03:19	
EPA 8260D	Toluene	1430	ug/L	10.0	08/08/25 03:19	
EPA 8260D	Xylene (Total)	2010	ug/L	10.0	08/08/25 03:19	
EPA 8260D	m&p-Xylene	1430	ug/L	20.0	08/08/25 03:19	
EPA 8260D	o-Xylene	581	ug/L	10.0	08/08/25 03:19	
92810644004	**RW-1**					
EPA 8011	1,2-Dibromoethane (EDB)	0.85	ug/L	0.020	08/08/25 03:22	
EPA 8260D	Benzene	7280	ug/L	125	08/08/25 04:17	
EPA 8260D	Diisopropyl ether	322	ug/L	125	08/08/25 04:17	
EPA 8260D	Ethylbenzene	1280	ug/L	125	08/08/25 04:17	
EPA 8260D	Methyl-tert-butyl ether	13700	ug/L	125	08/08/25 04:17	
EPA 8260D	Naphthalene	602	ug/L	125	08/08/25 04:17	
EPA 8260D	Toluene	17000	ug/L	125	08/08/25 04:17	
EPA 8260D	Xylene (Total)	9130	ug/L	125	08/08/25 04:17	
EPA 8260D	m&p-Xylene	6050	ug/L	250	08/08/25 04:17	
EPA 8260D	o-Xylene	3080	ug/L	125	08/08/25 04:17	
92810644005	**MW-12**					
EPA 8260D	tert-Amyl Alcohol	4060	ug/L	2000	08/06/25 05:30	
EPA 8260D	Benzene	1580	ug/L	20.0	08/06/25 05:30	
EPA 8260D	Diisopropyl ether	27.4	ug/L	20.0	08/06/25 05:30	
EPA 8260D	Ethylbenzene	442	ug/L	20.0	08/06/25 05:30	
EPA 8260D	Methyl-tert-butyl ether	18.4J	ug/L	20.0	08/06/25 05:30	
EPA 8260D	Naphthalene	96.3	ug/L	20.0	08/06/25 05:30	
EPA 8260D	Toluene	1380	ug/L	20.0	08/06/25 05:30	
EPA 8260D	Xylene (Total)	1980	ug/L	20.0	08/06/25 05:30	
EPA 8260D	m&p-Xylene	1410	ug/L	40.0	08/06/25 05:30	
EPA 8260D	o-Xylene	568	ug/L	20.0	08/06/25 05:30	
92810644006	**MW-1**					
EPA 8011	1,2-Dibromoethane (EDB)	0.33	ug/L	0.021	08/07/25 10:30	
EPA 8260D	Benzene	14700	ug/L	250	08/08/25 04:37	
EPA 8260D	Diisopropyl ether	981	ug/L	250	08/08/25 04:37	
EPA 8260D	Ethylbenzene	1680	ug/L	250	08/08/25 04:37	
EPA 8260D	Methyl-tert-butyl ether	213J	ug/L	250	08/08/25 04:37	
EPA 8260D	Naphthalene	418	ug/L	250	08/08/25 04:37	
EPA 8260D	Toluene	31300	ug/L	250	08/08/25 04:37	
EPA 8260D	Xylene (Total)	9060	ug/L	250	08/08/25 04:37	
EPA 8260D	m&p-Xylene	6000	ug/L	500	08/08/25 04:37	
EPA 8260D	o-Xylene	3070	ug/L	250	08/08/25 04:37	

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SUMMARY OF DETECTION

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810644007	**RW-3**					
EPA 8260D	tert-Amyl Alcohol	837	ug/L	500	08/08/25 02:41	
EPA 8260D	Benzene	134	ug/L	5.0	08/08/25 02:41	
EPA 8260D	Diisopropyl ether	10.5	ug/L	5.0	08/08/25 02:41	
EPA 8260D	Ethylbenzene	101	ug/L	5.0	08/08/25 02:41	
EPA 8260D	Methyl-tert-butyl ether	6.2	ug/L	5.0	08/08/25 02:41	
EPA 8260D	Naphthalene	72.8	ug/L	5.0	08/08/25 02:41	
EPA 8260D	Toluene	897	ug/L	5.0	08/08/25 02:41	
EPA 8260D	Xylene (Total)	1080	ug/L	5.0	08/08/25 02:41	
EPA 8260D	m&p-Xylene	609	ug/L	10.0	08/08/25 02:41	
EPA 8260D	o-Xylene	475	ug/L	5.0	08/08/25 02:41	
92810644008	**MW-14**					
EPA 8260D	tert-Amyl Alcohol	87.0J	ug/L	100	08/05/25 20:32	
EPA 8260D	Benzene	6.0	ug/L	1.0	08/05/25 20:32	
EPA 8260D	Toluene	0.52J	ug/L	1.0	08/05/25 20:32	
EPA 8260D	Xylene (Total)	0.91J	ug/L	1.0	08/05/25 20:32	
EPA 8260D	o-Xylene	0.91J	ug/L	1.0	08/05/25 20:32	
92810644009	**RW-6**					
EPA 8260D	tert-Amyl Alcohol	2390J	ug/L	2500	08/08/25 03:39	
EPA 8260D	Benzene	566	ug/L	25.0	08/08/25 03:39	
EPA 8260D	Diisopropyl ether	21.9J	ug/L	25.0	08/08/25 03:39	
EPA 8260D	Ethylbenzene	310	ug/L	25.0	08/08/25 03:39	
EPA 8260D	Methyl-tert-butyl ether	11.3J	ug/L	25.0	08/08/25 03:39	
EPA 8260D	Naphthalene	304	ug/L	25.0	08/08/25 03:39	
EPA 8260D	Toluene	1980	ug/L	25.0	08/08/25 03:39	
EPA 8260D	Xylene (Total)	4630	ug/L	25.0	08/08/25 03:39	
EPA 8260D	m&p-Xylene	2630	ug/L	50.0	08/08/25 03:39	
EPA 8260D	o-Xylene	2000	ug/L	25.0	08/08/25 03:39	
92810644010	**RW-5**					
EPA 8011	1,2-Dibromoethane (EDB)	0.79	ug/L	0.021	08/07/25 17:42	
EPA 8260D	tert-Amyl Alcohol	27100J	ug/L	50000	08/08/25 05:35	
EPA 8260D	Benzene	19900	ug/L	500	08/08/25 05:35	
EPA 8260D	Diisopropyl ether	2670	ug/L	500	08/08/25 05:35	
EPA 8260D	Ethanol	710000	ug/L	100000	08/08/25 05:35	
EPA 8260D	Ethylbenzene	3130	ug/L	500	08/08/25 05:35	
EPA 8260D	Methyl-tert-butyl ether	10400	ug/L	500	08/08/25 05:35	
EPA 8260D	Naphthalene	684	ug/L	500	08/08/25 05:35	
EPA 8260D	Toluene	46100	ug/L	500	08/08/25 05:35	
EPA 8260D	Xylene (Total)	17600	ug/L	500	08/08/25 05:35	
EPA 8260D	m&p-Xylene	11800	ug/L	1000	08/08/25 05:35	
EPA 8260D	o-Xylene	5830	ug/L	500	08/08/25 05:35	
92810644011	**MW-24**					
EPA 8011	1,2-Dibromoethane (EDB)	1.9	ug/L	0.050	08/08/25 15:42	
EPA 8260D	tert-Amyl Alcohol	18400J	ug/L	25000	08/08/25 04:56	
EPA 8260D	Benzene	17400	ug/L	250	08/08/25 04:56	
EPA 8260D	Diisopropyl ether	1590	ug/L	250	08/08/25 04:56	

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SUMMARY OF DETECTION

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
92810644011	**MW-24**					
EPA 8260D	Ethylbenzene	2150	ug/L	250	08/08/25 04:56	
EPA 8260D	Methyl-tert-butyl ether	2340	ug/L	250	08/08/25 04:56	
EPA 8260D	Naphthalene	457	ug/L	250	08/08/25 04:56	
EPA 8260D	Toluene	31800	ug/L	250	08/08/25 04:56	
EPA 8260D	Xylene (Total)	11400	ug/L	250	08/08/25 04:56	
EPA 8260D	m&p-Xylene	7490	ug/L	500	08/08/25 04:56	
EPA 8260D	o-Xylene	3910	ug/L	250	08/08/25 04:56	
92810644012	**RW-7**					
EPA 8011	1,2-Dibromoethane (EDB)	0.16	ug/L	0.021	08/07/25 18:03	
EPA 8260D	Benzene	6800	ug/L	250	08/08/25 05:15	
EPA 8260D	Diisopropyl ether	243J	ug/L	250	08/08/25 05:15	
EPA 8260D	Ethylbenzene	1700	ug/L	250	08/08/25 05:15	
EPA 8260D	Naphthalene	450	ug/L	250	08/08/25 05:15	
EPA 8260D	Toluene	25800	ug/L	250	08/08/25 05:15	
EPA 8260D	Xylene (Total)	10400	ug/L	250	08/08/25 05:15	
EPA 8260D	m&p-Xylene	6720	ug/L	500	08/08/25 05:15	
EPA 8260D	o-Xylene	3690	ug/L	250	08/08/25 05:15	
92810644013	**RW-2**					
EPA 8011	1,2-Dibromoethane (EDB)	0.088	ug/L	0.021	08/07/25 18:13	
EPA 8260D	Benzene	2060	ug/L	100	08/08/25 03:58	
EPA 8260D	Ethylbenzene	1410	ug/L	100	08/08/25 03:58	
EPA 8260D	Naphthalene	662	ug/L	100	08/08/25 03:58	
EPA 8260D	Toluene	9930	ug/L	100	08/08/25 03:58	
EPA 8260D	Xylene (Total)	10300	ug/L	100	08/08/25 03:58	
EPA 8260D	m&p-Xylene	6990	ug/L	200	08/08/25 03:58	
EPA 8260D	o-Xylene	3310	ug/L	100	08/08/25 03:58	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: TB-1 **Lab ID: 92810644001** Collected: 08/01/25 09:00 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level SC	Analytical Method: EPA 8260D Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		08/05/25 23:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		08/05/25 23:56	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		08/05/25 23:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		08/05/25 23:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		08/05/25 23:56	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		08/05/25 23:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/05/25 23:56	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/05/25 23:56	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		08/05/25 23:56	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/05/25 23:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		08/05/25 23:56	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/05/25 23:56	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/05/25 23:56	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		08/05/25 23:56	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/05/25 23:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/05/25 23:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/05/25 23:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		08/05/25 23:56	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		08/05/25 23:56	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		08/05/25 23:56	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: FB-1 **Lab ID: 92810644002** Collected: 08/01/25 09:15 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	0.0077	1	08/06/25 14:58	08/07/25 09:59	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	90	%	60-140		1	08/06/25 14:58	08/07/25 09:59	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	100	36.4	1		08/06/25 00:14	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		08/06/25 00:14	994-05-8	
Benzene	ND	ug/L	1.0	0.34	1		08/06/25 00:14	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		08/06/25 00:14	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		08/06/25 00:14	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		08/06/25 00:14	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/06/25 00:14	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/06/25 00:14	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		08/06/25 00:14	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/06/25 00:14	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		08/06/25 00:14	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/06/25 00:14	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/06/25 00:14	91-20-3	
Toluene	ND	ug/L	1.0	0.48	1		08/06/25 00:14	108-88-3	
Xylene (Total)	ND	ug/L	1.0	0.34	1		08/06/25 00:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/06/25 00:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.34	1		08/06/25 00:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		08/06/25 00:14	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	70-130		1		08/06/25 00:14	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		08/06/25 00:14	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: DUPLICATE **Lab ID: 92810644003** Collected: 08/01/25 00:00 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0079	1	08/06/25 14:58	08/07/25 10:09	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	96	%	60-140		1	08/06/25 14:58	08/07/25 10:09	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**4910**	ug/L	1000	364	10		08/08/25 03:19	75-85-4	
tert-Amylmethyl ether	ND	ug/L	100	26.6	10		08/08/25 03:19	994-05-8	
Benzene	**1670**	ug/L	10.0	3.4	10		08/08/25 03:19	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	1000	519	10		08/08/25 03:19	624-95-3	
tert-Butyl Alcohol	**293J**	ug/L	1000	268	10		08/08/25 03:19	75-65-0	
tert-Butyl Formate	ND	ug/L	500	294	10		08/08/25 03:19	762-75-4	
1,2-Dichloroethane	ND	ug/L	10.0	3.2	10		08/08/25 03:19	107-06-2	
Diisopropyl ether	**32.3**	ug/L	10.0	3.1	10		08/08/25 03:19	108-20-3	
Ethanol	ND	ug/L	2000	722	10		08/08/25 03:19	64-17-5	
Ethylbenzene	**467**	ug/L	10.0	3.0	10		08/08/25 03:19	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	100	32.4	10		08/08/25 03:19	637-92-3	
Methyl-tert-butyl ether	**13.3**	ug/L	10.0	4.2	10		08/08/25 03:19	1634-04-4	
Naphthalene	**102**	ug/L	10.0	6.4	10		08/08/25 03:19	91-20-3	
Toluene	**1430**	ug/L	10.0	4.8	10		08/08/25 03:19	108-88-3	
Xylene (Total)	**2010**	ug/L	10.0	3.4	10		08/08/25 03:19	1330-20-7	
m&p-Xylene	**1430**	ug/L	20.0	7.1	10		08/08/25 03:19	179601-23-1	
o-Xylene	**581**	ug/L	10.0	3.4	10		08/08/25 03:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		10		08/08/25 03:19	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		10		08/08/25 03:19	17060-07-0	
Toluene-d8 (S)	102	%	70-130		10		08/08/25 03:19	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: RW-1 **Lab ID: 92810644004** Collected: 08/01/25 13:00 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.85**	ug/L	0.020	0.0077	1	08/07/25 07:17	08/08/25 03:22	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	78	%	60-140		1	08/07/25 07:17	08/08/25 03:22	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	12500	4550	125		08/08/25 04:17	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1250	332	125		08/08/25 04:17	994-05-8	
Benzene	**7280**	ug/L	125	43.1	125		08/08/25 04:17	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	12500	6490	125		08/08/25 04:17	624-95-3	
tert-Butyl Alcohol	ND	ug/L	12500	3350	125		08/08/25 04:17	75-65-0	
tert-Butyl Formate	ND	ug/L	6250	3680	125		08/08/25 04:17	762-75-4	
1,2-Dichloroethane	ND	ug/L	125	40.2	125		08/08/25 04:17	107-06-2	
Diisopropyl ether	**322**	ug/L	125	38.5	125		08/08/25 04:17	108-20-3	
Ethanol	ND	ug/L	25000	9020	125		08/08/25 04:17	64-17-5	
Ethylbenzene	**1280**	ug/L	125	38.0	125		08/08/25 04:17	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1250	405	125		08/08/25 04:17	637-92-3	
Methyl-tert-butyl ether	**13700**	ug/L	125	52.8	125		08/08/25 04:17	1634-04-4	
Naphthalene	**602**	ug/L	125	80.6	125		08/08/25 04:17	91-20-3	
Toluene	**17000**	ug/L	125	60.6	125		08/08/25 04:17	108-88-3	
Xylene (Total)	**9130**	ug/L	125	42.2	125		08/08/25 04:17	1330-20-7	
m&p-Xylene	**6050**	ug/L	250	88.6	125		08/08/25 04:17	179601-23-1	
o-Xylene	**3080**	ug/L	125	42.2	125		08/08/25 04:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		125		08/08/25 04:17	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		125		08/08/25 04:17	17060-07-0	
Toluene-d8 (S)	101	%	70-130		125		08/08/25 04:17	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: MW-12 **Lab ID: 92810644005** Collected: 08/01/25 10:00 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0079	1	08/06/25 14:58	08/07/25 10:20	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	91	%	60-140		1	08/06/25 14:58	08/07/25 10:20	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**4060**	ug/L	2000	728	20		08/06/25 05:30	75-85-4	
tert-Amylmethyl ether	ND	ug/L	200	53.2	20		08/06/25 05:30	994-05-8	
Benzene	**1580**	ug/L	20.0	6.9	20		08/06/25 05:30	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2000	1040	20		08/06/25 05:30	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2000	536	20		08/06/25 05:30	75-65-0	
tert-Butyl Formate	ND	ug/L	1000	588	20		08/06/25 05:30	762-75-4	
1,2-Dichloroethane	ND	ug/L	20.0	6.4	20		08/06/25 05:30	107-06-2	
Diisopropyl ether	**27.4**	ug/L	20.0	6.2	20		08/06/25 05:30	108-20-3	
Ethanol	ND	ug/L	4000	1440	20		08/06/25 05:30	64-17-5	
Ethylbenzene	**442**	ug/L	20.0	6.1	20		08/06/25 05:30	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	200	64.8	20		08/06/25 05:30	637-92-3	
Methyl-tert-butyl ether	**18.4J**	ug/L	20.0	8.4	20		08/06/25 05:30	1634-04-4	
Naphthalene	**96.3**	ug/L	20.0	12.9	20		08/06/25 05:30	91-20-3	
Toluene	**1380**	ug/L	20.0	9.7	20		08/06/25 05:30	108-88-3	
Xylene (Total)	**1980**	ug/L	20.0	6.8	20		08/06/25 05:30	1330-20-7	
m&p-Xylene	**1410**	ug/L	40.0	14.2	20		08/06/25 05:30	179601-23-1	
o-Xylene	**568**	ug/L	20.0	6.8	20		08/06/25 05:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		20		08/06/25 05:30	460-00-4	D3
1,2-Dichloroethane-d4 (S)	101	%	70-130		20		08/06/25 05:30	17060-07-0	
Toluene-d8 (S)	100	%	70-130		20		08/06/25 05:30	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: MW-1 **Lab ID: 92810644006** Collected: 08/01/25 10:10 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.33**	ug/L	0.021	0.0080	1	08/06/25 14:58	08/07/25 10:30	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	108	%	60-140		1	08/06/25 14:58	08/07/25 10:30	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	25000	9100	250		08/08/25 04:37	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	665	250		08/08/25 04:37	994-05-8	
Benzene	**14700**	ug/L	250	86.2	250		08/08/25 04:37	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13000	250		08/08/25 04:37	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	6700	250		08/08/25 04:37	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	7350	250		08/08/25 04:37	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		08/08/25 04:37	107-06-2	
Diisopropyl ether	**981**	ug/L	250	77.0	250		08/08/25 04:37	108-20-3	
Ethanol	ND	ug/L	50000	18000	250		08/08/25 04:37	64-17-5	
Ethylbenzene	**1680**	ug/L	250	76.0	250		08/08/25 04:37	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		08/08/25 04:37	637-92-3	
Methyl-tert-butyl ether	**213J**	ug/L	250	106	250		08/08/25 04:37	1634-04-4	
Naphthalene	**418**	ug/L	250	161	250		08/08/25 04:37	91-20-3	
Toluene	**31300**	ug/L	250	121	250		08/08/25 04:37	108-88-3	
Xylene (Total)	**9060**	ug/L	250	84.5	250		08/08/25 04:37	1330-20-7	
m&p-Xylene	**6000**	ug/L	500	177	250		08/08/25 04:37	179601-23-1	
o-Xylene	**3070**	ug/L	250	84.5	250		08/08/25 04:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		250		08/08/25 04:37	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		250		08/08/25 04:37	17060-07-0	
Toluene-d8 (S)	100	%	70-130		250		08/08/25 04:37	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: RW-3 **Lab ID: 92810644007** Collected: 08/01/25 11:25 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0078	1	08/06/25 14:58	08/07/25 10:51	106-93-4	M1
Surrogates									
1-Chloro-2-bromopropane (S)	94	%	60-140		1	08/06/25 14:58	08/07/25 10:51	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**837**	ug/L	500	182	5		08/08/25 02:41	75-85-4	
tert-Amylmethyl ether	ND	ug/L	50.0	13.3	5		08/08/25 02:41	994-05-8	
Benzene	**134**	ug/L	5.0	1.7	5		08/08/25 02:41	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	500	260	5		08/08/25 02:41	624-95-3	
tert-Butyl Alcohol	ND	ug/L	500	134	5		08/08/25 02:41	75-65-0	
tert-Butyl Formate	ND	ug/L	250	147	5		08/08/25 02:41	762-75-4	
1,2-Dichloroethane	ND	ug/L	5.0	1.6	5		08/08/25 02:41	107-06-2	
Diisopropyl ether	**10.5**	ug/L	5.0	1.5	5		08/08/25 02:41	108-20-3	
Ethanol	ND	ug/L	1000	361	5		08/08/25 02:41	64-17-5	
Ethylbenzene	**101**	ug/L	5.0	1.5	5		08/08/25 02:41	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	50.0	16.2	5		08/08/25 02:41	637-92-3	
Methyl-tert-butyl ether	**6.2**	ug/L	5.0	2.1	5		08/08/25 02:41	1634-04-4	
Naphthalene	**72.8**	ug/L	5.0	3.2	5		08/08/25 02:41	91-20-3	
Toluene	**897**	ug/L	5.0	2.4	5		08/08/25 02:41	108-88-3	
Xylene (Total)	**1080**	ug/L	5.0	1.7	5		08/08/25 02:41	1330-20-7	
m&p-Xylene	**609**	ug/L	10.0	3.5	5		08/08/25 02:41	179601-23-1	
o-Xylene	**475**	ug/L	5.0	1.7	5		08/08/25 02:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		5		08/08/25 02:41	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		5		08/08/25 02:41	17060-07-0	
Toluene-d8 (S)	102	%	70-130		5		08/08/25 02:41	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: MW-14 **Lab ID: 92810644008** Collected: 08/01/25 09:35 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.021	0.0079	1	08/06/25 14:58	08/07/25 17:21	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	83	%	60-140		1	08/06/25 14:58	08/07/25 17:21	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**87.0J**	ug/L	100	36.4	1		08/05/25 20:32	75-85-4	
tert-Amylmethyl ether	ND	ug/L	10.0	2.7	1		08/05/25 20:32	994-05-8	
Benzene	**6.0**	ug/L	1.0	0.34	1		08/05/25 20:32	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	100	51.9	1		08/05/25 20:32	624-95-3	
tert-Butyl Alcohol	ND	ug/L	100	26.8	1		08/05/25 20:32	75-65-0	
tert-Butyl Formate	ND	ug/L	50.0	29.4	1		08/05/25 20:32	762-75-4	
1,2-Dichloroethane	ND	ug/L	1.0	0.32	1		08/05/25 20:32	107-06-2	
Diisopropyl ether	ND	ug/L	1.0	0.31	1		08/05/25 20:32	108-20-3	
Ethanol	ND	ug/L	200	72.2	1		08/05/25 20:32	64-17-5	
Ethylbenzene	ND	ug/L	1.0	0.30	1		08/05/25 20:32	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	10.0	3.2	1		08/05/25 20:32	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.42	1		08/05/25 20:32	1634-04-4	
Naphthalene	ND	ug/L	1.0	0.64	1		08/05/25 20:32	91-20-3	
Toluene	**0.52J**	ug/L	1.0	0.48	1		08/05/25 20:32	108-88-3	
Xylene (Total)	**0.91J**	ug/L	1.0	0.34	1		08/05/25 20:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.71	1		08/05/25 20:32	179601-23-1	
o-Xylene	**0.91J**	ug/L	1.0	0.34	1		08/05/25 20:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		08/05/25 20:32	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		08/05/25 20:32	17060-07-0	
Toluene-d8 (S)	98	%	70-130		1		08/05/25 20:32	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: RW-6 **Lab ID: 92810644009** Collected: 08/01/25 11:00 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	ND	ug/L	0.022	0.0084	1	08/06/25 14:58	08/07/25 17:31	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	104	%	60-140		1	08/06/25 14:58	08/07/25 17:31	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**2390J**	ug/L	2500	910	25		08/08/25 03:39	75-85-4	
tert-Amylmethyl ether	ND	ug/L	250	66.5	25		08/08/25 03:39	994-05-8	
Benzene	**566**	ug/L	25.0	8.6	25		08/08/25 03:39	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	2500	1300	25		08/08/25 03:39	624-95-3	
tert-Butyl Alcohol	ND	ug/L	2500	670	25		08/08/25 03:39	75-65-0	
tert-Butyl Formate	ND	ug/L	1250	735	25		08/08/25 03:39	762-75-4	
1,2-Dichloroethane	ND	ug/L	25.0	8.0	25		08/08/25 03:39	107-06-2	
Diisopropyl ether	**21.9J**	ug/L	25.0	7.7	25		08/08/25 03:39	108-20-3	
Ethanol	ND	ug/L	5000	1800	25		08/08/25 03:39	64-17-5	
Ethylbenzene	**310**	ug/L	25.0	7.6	25		08/08/25 03:39	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	250	81.0	25		08/08/25 03:39	637-92-3	
Methyl-tert-butyl ether	**11.3J**	ug/L	25.0	10.6	25		08/08/25 03:39	1634-04-4	
Naphthalene	**304**	ug/L	25.0	16.1	25		08/08/25 03:39	91-20-3	
Toluene	**1980**	ug/L	25.0	12.1	25		08/08/25 03:39	108-88-3	
Xylene (Total)	**4630**	ug/L	25.0	8.4	25		08/08/25 03:39	1330-20-7	
m&p-Xylene	**2630**	ug/L	50.0	17.7	25		08/08/25 03:39	179601-23-1	
o-Xylene	**2000**	ug/L	25.0	8.4	25		08/08/25 03:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		25		08/08/25 03:39	460-00-4	D3
1,2-Dichloroethane-d4 (S)	97	%	70-130		25		08/08/25 03:39	17060-07-0	
Toluene-d8 (S)	103	%	70-130		25		08/08/25 03:39	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: RW-5 **Lab ID: 92810644010** Collected: 08/01/25 12:30 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.79**	ug/L	0.021	0.0079	1	08/06/25 14:58	08/07/25 17:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	73	%	60-140		1	08/06/25 14:58	08/07/25 17:42	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**27100J**	ug/L	50000	18200	500		08/08/25 05:35	75-85-4	
tert-Amylmethyl ether	ND	ug/L	5000	1330	500		08/08/25 05:35	994-05-8	
Benzene	**19900**	ug/L	500	172	500		08/08/25 05:35	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	50000	26000	500		08/08/25 05:35	624-95-3	
tert-Butyl Alcohol	ND	ug/L	50000	13400	500		08/08/25 05:35	75-65-0	
tert-Butyl Formate	ND	ug/L	25000	14700	500		08/08/25 05:35	762-75-4	
1,2-Dichloroethane	ND	ug/L	500	161	500		08/08/25 05:35	107-06-2	
Diisopropyl ether	**2670**	ug/L	500	154	500		08/08/25 05:35	108-20-3	
Ethanol	**710000**	ug/L	100000	36100	500		08/08/25 05:35	64-17-5	
Ethylbenzene	**3130**	ug/L	500	152	500		08/08/25 05:35	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	5000	1620	500		08/08/25 05:35	637-92-3	
Methyl-tert-butyl ether	**10400**	ug/L	500	211	500		08/08/25 05:35	1634-04-4	
Naphthalene	**684**	ug/L	500	322	500		08/08/25 05:35	91-20-3	
Toluene	**46100**	ug/L	500	242	500		08/08/25 05:35	108-88-3	
Xylene (Total)	**17600**	ug/L	500	169	500		08/08/25 05:35	1330-20-7	
m&p-Xylene	**11800**	ug/L	1000	354	500		08/08/25 05:35	179601-23-1	
o-Xylene	**5830**	ug/L	500	169	500		08/08/25 05:35	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		500		08/08/25 05:35	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		500		08/08/25 05:35	17060-07-0	
Toluene-d8 (S)	101	%	70-130		500		08/08/25 05:35	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: MW-24 **Lab ID: 92810644011** Collected: 08/01/25 12:15 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**1.9**	ug/L	0.050	0.019	2.5	08/06/25 14:58	08/08/25 15:42	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	115	%	60-140		2.5	08/06/25 14:58	08/08/25 15:42	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	**18400J**	ug/L	25000	9100	250		08/08/25 04:56	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	665	250		08/08/25 04:56	994-05-8	
Benzene	**17400**	ug/L	250	86.2	250		08/08/25 04:56	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13000	250		08/08/25 04:56	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	6700	250		08/08/25 04:56	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	7350	250		08/08/25 04:56	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		08/08/25 04:56	107-06-2	
Diisopropyl ether	**1590**	ug/L	250	77.0	250		08/08/25 04:56	108-20-3	
Ethanol	ND	ug/L	50000	18000	250		08/08/25 04:56	64-17-5	
Ethylbenzene	**2150**	ug/L	250	76.0	250		08/08/25 04:56	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		08/08/25 04:56	637-92-3	
Methyl-tert-butyl ether	**2340**	ug/L	250	106	250		08/08/25 04:56	1634-04-4	
Naphthalene	**457**	ug/L	250	161	250		08/08/25 04:56	91-20-3	
Toluene	**31800**	ug/L	250	121	250		08/08/25 04:56	108-88-3	
Xylene (Total)	**11400**	ug/L	250	84.5	250		08/08/25 04:56	1330-20-7	
m&p-Xylene	**7490**	ug/L	500	177	250		08/08/25 04:56	179601-23-1	
o-Xylene	**3910**	ug/L	250	84.5	250		08/08/25 04:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		250		08/08/25 04:56	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	70-130		250		08/08/25 04:56	17060-07-0	
Toluene-d8 (S)	101	%	70-130		250		08/08/25 04:56	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: RW-7 **Lab ID: 92810644012** Collected: 08/01/25 10:35 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.16**	ug/L	0.021	0.0079	1	08/06/25 14:58	08/07/25 18:03	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	98	%	60-140		1	08/06/25 14:58	08/07/25 18:03	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	25000	9100	250		08/08/25 05:15	75-85-4	
tert-Amylmethyl ether	ND	ug/L	2500	665	250		08/08/25 05:15	994-05-8	
Benzene	**6800**	ug/L	250	86.2	250		08/08/25 05:15	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	25000	13000	250		08/08/25 05:15	624-95-3	
tert-Butyl Alcohol	ND	ug/L	25000	6700	250		08/08/25 05:15	75-65-0	
tert-Butyl Formate	ND	ug/L	12500	7350	250		08/08/25 05:15	762-75-4	
1,2-Dichloroethane	ND	ug/L	250	80.5	250		08/08/25 05:15	107-06-2	
Diisopropyl ether	**243J**	ug/L	250	77.0	250		08/08/25 05:15	108-20-3	
Ethanol	ND	ug/L	50000	18000	250		08/08/25 05:15	64-17-5	
Ethylbenzene	**1700**	ug/L	250	76.0	250		08/08/25 05:15	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	2500	810	250		08/08/25 05:15	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	250	106	250		08/08/25 05:15	1634-04-4	
Naphthalene	**450**	ug/L	250	161	250		08/08/25 05:15	91-20-3	
Toluene	**25800**	ug/L	250	121	250		08/08/25 05:15	108-88-3	
Xylene (Total)	**10400**	ug/L	250	84.5	250		08/08/25 05:15	1330-20-7	
m&p-Xylene	**6720**	ug/L	500	177	250		08/08/25 05:15	179601-23-1	
o-Xylene	**3690**	ug/L	250	84.5	250		08/08/25 05:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		250		08/08/25 05:15	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	70-130		250		08/08/25 05:15	17060-07-0	
Toluene-d8 (S)	101	%	70-130		250		08/08/25 05:15	2037-26-5	

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ANALYTICAL RESULTS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Sample: RW-2 **Lab ID: 92810644013** Collected: 08/01/25 11:50 Received: 08/04/25 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
	Pace Analytical Services - Charlotte								
1,2-Dibromoethane (EDB)	**0.088**	ug/L	0.021	0.0080	1	08/06/25 14:58	08/07/25 18:13	106-93-4	
Surrogates									
1-Chloro-2-bromopropane (S)	93	%	60-140		1	08/06/25 14:58	08/07/25 18:13	301-79-56	
8260 MSV Low Level SC	Analytical Method: EPA 8260D								
	Pace Analytical Services - Charlotte								
tert-Amyl Alcohol	ND	ug/L	10000	3640	100		08/08/25 03:58	75-85-4	
tert-Amylmethyl ether	ND	ug/L	1000	266	100		08/08/25 03:58	994-05-8	
Benzene	**2060**	ug/L	100	34.5	100		08/08/25 03:58	71-43-2	
3,3-Dimethyl-1-Butanol	ND	ug/L	10000	5190	100		08/08/25 03:58	624-95-3	
tert-Butyl Alcohol	ND	ug/L	10000	2680	100		08/08/25 03:58	75-65-0	
tert-Butyl Formate	ND	ug/L	5000	2940	100		08/08/25 03:58	762-75-4	
1,2-Dichloroethane	ND	ug/L	100	32.2	100		08/08/25 03:58	107-06-2	
Diisopropyl ether	ND	ug/L	100	30.8	100		08/08/25 03:58	108-20-3	
Ethanol	ND	ug/L	20000	7220	100		08/08/25 03:58	64-17-5	
Ethylbenzene	**1410**	ug/L	100	30.4	100		08/08/25 03:58	100-41-4	
Ethyl-tert-butyl ether	ND	ug/L	1000	324	100		08/08/25 03:58	637-92-3	
Methyl-tert-butyl ether	ND	ug/L	100	42.2	100		08/08/25 03:58	1634-04-4	
Naphthalene	**662**	ug/L	100	64.5	100		08/08/25 03:58	91-20-3	
Toluene	**9930**	ug/L	100	48.5	100		08/08/25 03:58	108-88-3	
Xylene (Total)	**10300**	ug/L	100	33.8	100		08/08/25 03:58	1330-20-7	
m&p-Xylene	**6990**	ug/L	200	70.9	100		08/08/25 03:58	179601-23-1	
o-Xylene	**3310**	ug/L	100	33.8	100		08/08/25 03:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		100		08/08/25 03:58	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	70-130		100		08/08/25 03:58	17060-07-0	
Toluene-d8 (S)	102	%	70-130		100		08/08/25 03:58	2037-26-5	

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

QC Batch: 952025
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92810644001, 92810644002, 92810644005

METHOD BLANK: 4891761 Matrix: Water
Associated Lab Samples: 92810644001, 92810644002, 92810644005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/05/25 19:36	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	08/05/25 19:36	
Benzene	ug/L	ND	1.0	0.34	08/05/25 19:36	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/05/25 19:36	
Ethanol	ug/L	ND	200	72.2	08/05/25 19:36	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	08/05/25 19:36	
Ethylbenzene	ug/L	ND	1.0	0.30	08/05/25 19:36	
m&p-Xylene	ug/L	ND	2.0	0.71	08/05/25 19:36	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/05/25 19:36	
Naphthalene	ug/L	ND	1.0	0.64	08/05/25 19:36	
o-Xylene	ug/L	ND	1.0	0.34	08/05/25 19:36	
tert-Amyl Alcohol	ug/L	ND	100	36.4	08/05/25 19:36	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	08/05/25 19:36	
tert-Butyl Alcohol	ug/L	ND	100	26.8	08/05/25 19:36	
tert-Butyl Formate	ug/L	ND	50.0	29.4	08/05/25 19:36	
Toluene	ug/L	ND	1.0	0.48	08/05/25 19:36	
Xylene (Total)	ug/L	ND	1.0	0.34	08/05/25 19:36	
1,2-Dichloroethane-d4 (S)	%	101	70-130		08/05/25 19:36	
4-Bromofluorobenzene (S)	%	97	70-130		08/05/25 19:36	
Toluene-d8 (S)	%	98	70-130		08/05/25 19:36	

LABORATORY CONTROL SAMPLE: 4891762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	384	96	70-130	
Benzene	ug/L	20	20.7	103	70-130	
Diisopropyl ether	ug/L	20	20.0	100	70-130	
Ethanol	ug/L	800	721	90	70-130	
Ethyl-tert-butyl ether	ug/L	40	39.5	99	70-130	
Ethylbenzene	ug/L	20	20.0	100	70-130	
m&p-Xylene	ug/L	40	41.7	104	70-130	
Methyl-tert-butyl ether	ug/L	20	19.7	98	70-130	
Naphthalene	ug/L	20	22.4	112	70-130	
o-Xylene	ug/L	20	21.4	107	70-130	
tert-Amyl Alcohol	ug/L	400	364	91	70-130	
tert-Amylmethyl ether	ug/L	40	39.1	98	70-130	
tert-Butyl Alcohol	ug/L	200	188	94	70-130	
tert-Butyl Formate	ug/L	160	158	99	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

LABORATORY CONTROL SAMPLE: 4891762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.8	99	70-130	
Xylene (Total)	ug/L	60	63.0	105	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4891763

Parameter	Units	92810053011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	22.2	111	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	458	115	39-157	
Benzene	ug/L	0.70J	20	24.5	119	70-151	
Diisopropyl ether	ug/L	ND	20	23.0	115	63-144	
Ethanol	ug/L	ND	800	900	113	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	45.7	114	66-137	
Ethylbenzene	ug/L	ND	20	24.8	124	66-153	
m&p-Xylene	ug/L	ND	40	50.0	125	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	22.1	110	54-156	
Naphthalene	ug/L	ND	20	25.5	128	61-148	
o-Xylene	ug/L	ND	20	24.4	122	70-148	
tert-Amyl Alcohol	ug/L	ND	400	464	116	54-153	
tert-Amylmethyl ether	ug/L	ND	40	44.1	110	69-139	
tert-Butyl Alcohol	ug/L	ND	200	231	115	43-188	
tert-Butyl Formate	ug/L	ND	160	171	107	10-170	
Toluene	ug/L	ND	20	23.3	117	59-148	
Xylene (Total)	ug/L	ND	60	74.4	124	63-158	
1,2-Dichloroethane-d4 (S)	%				97	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4891764

Parameter	Units	92810053012 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	5.1	4.6	11	30	
m&p-Xylene	ug/L	1.8J	1.4J		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	1.0	0.93J		30	
o-Xylene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

SAMPLE DUPLICATE: 4891764

Parameter	Units	92810053012 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
Xylene (Total)	ug/L	1.8	ND		30	
1,2-Dichloroethane-d4 (S)	%	103	103			
4-Bromofluorobenzene (S)	%	98	100			
Toluene-d8 (S)	%	98	102			

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

QC Batch: 952040
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte

Associated Lab Samples: 92810644008

METHOD BLANK: 4891857
Matrix: Water
Associated Lab Samples: 92810644008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/05/25 19:55	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	08/05/25 19:55	
Benzene	ug/L	ND	1.0	0.34	08/05/25 19:55	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/05/25 19:55	
Ethanol	ug/L	ND	200	72.2	08/05/25 19:55	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	08/05/25 19:55	
Ethylbenzene	ug/L	ND	1.0	0.30	08/05/25 19:55	
m&p-Xylene	ug/L	ND	2.0	0.71	08/05/25 19:55	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/05/25 19:55	
Naphthalene	ug/L	ND	1.0	0.64	08/05/25 19:55	
o-Xylene	ug/L	ND	1.0	0.34	08/05/25 19:55	
tert-Amyl Alcohol	ug/L	ND	100	36.4	08/05/25 19:55	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	08/05/25 19:55	
tert-Butyl Alcohol	ug/L	ND	100	26.8	08/05/25 19:55	
tert-Butyl Formate	ug/L	ND	50.0	29.4	08/05/25 19:55	
Toluene	ug/L	ND	1.0	0.48	08/05/25 19:55	
Xylene (Total)	ug/L	ND	1.0	0.34	08/05/25 19:55	
1,2-Dichloroethane-d4 (S)	%	102	70-130		08/05/25 19:55	
4-Bromofluorobenzene (S)	%	96	70-130		08/05/25 19:55	
Toluene-d8 (S)	%	97	70-130		08/05/25 19:55	

LABORATORY CONTROL SAMPLE: 4891858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	20.2	101	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	384	96	70-130	
Benzene	ug/L	20	20.7	103	70-130	
Diisopropyl ether	ug/L	20	20.0	100	70-130	
Ethanol	ug/L	800	721	90	70-130	
Ethyl-tert-butyl ether	ug/L	40	39.5	99	70-130	
Ethylbenzene	ug/L	20	20.0	100	70-130	
m&p-Xylene	ug/L	40	41.7	104	70-130	
Methyl-tert-butyl ether	ug/L	20	19.7	98	70-130	
Naphthalene	ug/L	20	22.4	112	70-130	
o-Xylene	ug/L	20	21.4	107	70-130	
tert-Amyl Alcohol	ug/L	400	364	91	70-130	
tert-Amylmethyl ether	ug/L	40	39.1	98	70-130	
tert-Butyl Alcohol	ug/L	200	188	94	70-130	
tert-Butyl Formate	ug/L	160	158	99	70-130	

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

LABORATORY CONTROL SAMPLE: 4891858

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Toluene	ug/L	20	19.8	99	70-130	
Xylene (Total)	ug/L	60	63.0	105	70-130	
1,2-Dichloroethane-d4 (S)	%			99	70-130	
4-Bromofluorobenzene (S)	%			102	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE SAMPLE: 4891859

Parameter	Units	92810053017 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	19.3	97	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	405	101	39-157	
Benzene	ug/L	ND	20	20.5	102	70-151	
Diisopropyl ether	ug/L	ND	20	19.9	100	63-144	
Ethanol	ug/L	ND	800	786	98	39-176	
Ethyl-tert-butyl ether	ug/L	ND	40	38.8	97	66-137	
Ethylbenzene	ug/L	ND	20	21.3	106	66-153	
m&p-Xylene	ug/L	ND	40	42.9	107	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	19.0	95	54-156	
Naphthalene	ug/L	ND	20	22.2	111	61-148	
o-Xylene	ug/L	ND	20	21.1	106	70-148	
tert-Amyl Alcohol	ug/L	ND	400	394	98	54-153	
tert-Amylmethyl ether	ug/L	ND	40	37.3	93	69-139	
tert-Butyl Alcohol	ug/L	ND	200	209	104	43-188	
tert-Butyl Formate	ug/L	ND	160	135	85	10-170	
Toluene	ug/L	ND	20	20.0	100	59-148	
Xylene (Total)	ug/L	ND	60	64.0	107	63-158	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				100	70-130	

SAMPLE DUPLICATE: 4891860

Parameter	Units	92810644008 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	6.0	7.1	16	30	
Diisopropyl ether	ug/L	ND	0.45J		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	0.77J		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	0.91J	1.2		30	

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REPORT OF LABORATORY ANALYSIS

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Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

SAMPLE DUPLICATE: 4891860

Parameter	Units	92810644008 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Amyl Alcohol	ug/L	87.0J	98.5J		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	0.52J	0.57J		30	
Xylene (Total)	ug/L	0.91J	1.2		30	
1,2-Dichloroethane-d4 (S)	%	102	101			
4-Bromofluorobenzene (S)	%	95	102			
Toluene-d8 (S)	%	98	101			

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

QC Batch: 952277
QC Batch Method: EPA 8260D
Analysis Method: EPA 8260D
Analysis Description: 8260 MSV Low Level SC
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92810644003, 92810644004, 92810644006, 92810644007, 92810644009, 92810644010, 92810644011, 92810644012, 92810644013

METHOD BLANK: 4893103
Matrix: Water
Associated Lab Samples: 92810644003, 92810644004, 92810644006, 92810644007, 92810644009, 92810644010, 92810644011, 92810644012, 92810644013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dichloroethane	ug/L	ND	1.0	0.32	08/07/25 20:14	
3,3-Dimethyl-1-Butanol	ug/L	ND	100	51.9	08/07/25 20:14	
Benzene	ug/L	ND	1.0	0.34	08/07/25 20:14	
Diisopropyl ether	ug/L	ND	1.0	0.31	08/07/25 20:14	
Ethanol	ug/L	ND	200	72.2	08/07/25 20:14	
Ethyl-tert-butyl ether	ug/L	ND	10.0	3.2	08/07/25 20:14	
Ethylbenzene	ug/L	ND	1.0	0.30	08/07/25 20:14	
m&p-Xylene	ug/L	ND	2.0	0.71	08/07/25 20:14	
Methyl-tert-butyl ether	ug/L	ND	1.0	0.42	08/07/25 20:14	
Naphthalene	ug/L	ND	1.0	0.64	08/07/25 20:14	
o-Xylene	ug/L	ND	1.0	0.34	08/07/25 20:14	
tert-Amyl Alcohol	ug/L	ND	100	36.4	08/07/25 20:14	
tert-Amylmethyl ether	ug/L	ND	10.0	2.7	08/07/25 20:14	
tert-Butyl Alcohol	ug/L	ND	100	26.8	08/07/25 20:14	
tert-Butyl Formate	ug/L	ND	50.0	29.4	08/07/25 20:14	
Toluene	ug/L	ND	1.0	0.48	08/07/25 20:14	
Xylene (Total)	ug/L	ND	1.0	0.34	08/07/25 20:14	
1,2-Dichloroethane-d4 (S)	%	100	70-130		08/07/25 20:14	
4-Bromofluorobenzene (S)	%	99	70-130		08/07/25 20:14	
Toluene-d8 (S)	%	102	70-130		08/07/25 20:14	

LABORATORY CONTROL SAMPLE: 4893104

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	20	17.2	86	70-130	
3,3-Dimethyl-1-Butanol	ug/L	400	355	89	70-130	
Benzene	ug/L	20	19.1	96	70-130	
Diisopropyl ether	ug/L	20	19.5	98	70-130	
Ethanol	ug/L	800	707	88	70-130	
Ethyl-tert-butyl ether	ug/L	40	38.1	95	70-130	
Ethylbenzene	ug/L	20	18.5	93	70-130	
m&p-Xylene	ug/L	40	38.0	95	70-130	
Methyl-tert-butyl ether	ug/L	20	18.6	93	70-130	
Naphthalene	ug/L	20	20.2	101	70-130	
o-Xylene	ug/L	20	18.9	94	70-130	
tert-Amyl Alcohol	ug/L	400	356	89	70-130	
tert-Amylmethyl ether	ug/L	40	36.3	91	70-130	

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

LABORATORY CONTROL SAMPLE: 4893104

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butyl Alcohol	ug/L	200	169	85	70-130	
tert-Butyl Formate	ug/L	160	154	96	70-130	
Toluene	ug/L	20	18.2	91	70-130	
Xylene (Total)	ug/L	60	56.9	95	70-130	
1,2-Dichloroethane-d4 (S)	%			94	70-130	
4-Bromofluorobenzene (S)	%			97	70-130	
Toluene-d8 (S)	%			100	70-130	

MATRIX SPIKE SAMPLE: 4893105

Parameter	Units	92810494012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	ND	20	21.9	109	70-137	
3,3-Dimethyl-1-Butanol	ug/L	ND	400	1110	279	39-157	M1
Benzene	ug/L	ND	20	21.9	110	70-151	
Diisopropyl ether	ug/L	ND	20	20.6	103	63-144	
Ethanol	ug/L	ND	800	3100	387	39-176	M1
Ethyl-tert-butyl ether	ug/L	ND	40	37.8J	95	66-137	
Ethylbenzene	ug/L	ND	20	23.0	115	66-153	
m&p-Xylene	ug/L	ND	40	46.6	116	69-152	
Methyl-tert-butyl ether	ug/L	ND	20	21.5	108	54-156	
Naphthalene	ug/L	ND	20	27.8	139	61-148	
o-Xylene	ug/L	ND	20	24.1	119	70-148	
tert-Amyl Alcohol	ug/L	ND	400	421J	105	54-153	
tert-Amylmethyl ether	ug/L	ND	40	39.4J	99	69-139	
tert-Butyl Alcohol	ug/L	ND	200	ND	117	43-188	
tert-Butyl Formate	ug/L	ND	160	ND	100	10-170	
Toluene	ug/L	2.6	20	25.2	113	59-148	
Xylene (Total)	ug/L	ND	60	70.7	118	63-158	
1,2-Dichloroethane-d4 (S)	%				102	70-130	
4-Bromofluorobenzene (S)	%				100	70-130	
Toluene-d8 (S)	%				101	70-130	

SAMPLE DUPLICATE: 4893106

Parameter	Units	92810494013 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dichloroethane	ug/L	ND	ND		30	
3,3-Dimethyl-1-Butanol	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Diisopropyl ether	ug/L	ND	ND		30	
Ethanol	ug/L	ND	ND		30	
Ethyl-tert-butyl ether	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

SAMPLE DUPLICATE: 4893106

Parameter	Units	92810494013 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
tert-Amyl Alcohol	ug/L	ND	ND		30	
tert-Amylmethyl ether	ug/L	ND	ND		30	
tert-Butyl Alcohol	ug/L	ND	ND		30	
tert-Butyl Formate	ug/L	ND	ND		30	
Toluene	ug/L	2.5	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	99	102			
4-Bromofluorobenzene (S)	%	98	100			
Toluene-d8 (S)	%	100	102			

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

QC Batch: 952335
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92810644002, 92810644003, 92810644005, 92810644006, 92810644007, 92810644008, 92810644009, 92810644010, 92810644011, 92810644012, 92810644013

METHOD BLANK: 4893493 Matrix: Water
Associated Lab Samples: 92810644002, 92810644003, 92810644005, 92810644006, 92810644007, 92810644008, 92810644009, 92810644010, 92810644011, 92810644012, 92810644013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.022	0.0081	08/07/25 07:43	
1-Chloro-2-bromopropane (S)	%	103	60-140		08/07/25 07:43	

LABORATORY CONTROL SAMPLE & LCSD: 4893494 4893620

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.26	0.27	0.30	103	105	60-140	13	20	
1-Chloro-2-bromopropane (S)	%				95	96	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4893496 4893497

Parameter	Units	92810644007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.26	0.26	1.4	1.4	535	548	60-140	2	20	M1
1-Chloro-2-bromopropane (S)	%						98	95	60-140			

SAMPLE DUPLICATE: 4893495

Parameter	Units	92810644006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.33	0.30	8	20	
1-Chloro-2-bromopropane (S)	%	108	111			

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QUALITY CONTROL DATA

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

QC Batch: 952466
QC Batch Method: EPA 8011
Analysis Method: EPA 8011
Analysis Description: GCS 8011 EDB DBCP
Laboratory: Pace Analytical Services - Charlotte
Associated Lab Samples: 92810644004

METHOD BLANK: 4894554 Matrix: Water
Associated Lab Samples: 92810644004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	0.0074	08/07/25 23:19	
1-Chloro-2-bromopropane (S)	%	93	60-140		08/07/25 23:19	

LABORATORY CONTROL SAMPLE & LCSD: 4894555 4894556

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	0.25	0.21	0.22	86	87	60-140	0	20	
1-Chloro-2-bromopropane (S)	%				87	89	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 4894558 4894559

Parameter	Units	92810502020 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	0.25	0.25	0.30	0.30	120	121	60-140	1	20	
1-Chloro-2-bromopropane (S)	%						97	97	60-140			

SAMPLE DUPLICATE: 4894557

Parameter	Units	92810502019 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		20	
1-Chloro-2-bromopropane (S)	%	94	97			

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QUALIFIERS

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: WESTSIDE QUICK STOP
Pace Project No.: 92810644

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92810644002	**FB-1**	EPA 8011	952335	EPA 8011	952393
92810644003	**DUPLICATE**	EPA 8011	952335	EPA 8011	952393
92810644004	**RW-1**	EPA 8011	952466	EPA 8011	952572
92810644005	**MW-12**	EPA 8011	952335	EPA 8011	952393
92810644006	**MW-1**	EPA 8011	952335	EPA 8011	952393
92810644007	**RW-3**	EPA 8011	952335	EPA 8011	952393
92810644008	**MW-14**	EPA 8011	952335	EPA 8011	952393
92810644009	**RW-6**	EPA 8011	952335	EPA 8011	952393
92810644010	**RW-5**	EPA 8011	952335	EPA 8011	952393
92810644011	**MW-24**	EPA 8011	952335	EPA 8011	952393
92810644012	**RW-7**	EPA 8011	952335	EPA 8011	952393
92810644013	**RW-2**	EPA 8011	952335	EPA 8011	952393
92810644001	**TB-1**	EPA 8260D	952025		
92810644002	**FB-1**	EPA 8260D	952025		
92810644003	**DUPLICATE**	EPA 8260D	952277		
92810644004	**RW-1**	EPA 8260D	952277		
92810644005	**MW-12**	EPA 8260D	952025		
92810644006	**MW-1**	EPA 8260D	952277		
92810644007	**RW-3**	EPA 8260D	952277		
92810644008	**MW-14**	EPA 8260D	952040		
92810644009	**RW-6**	EPA 8260D	952277		
92810644010	**RW-5**	EPA 8260D	952277		
92810644011	**MW-24**	EPA 8260D	952277		
92810644012	**RW-7**	EPA 8260D	952277		
92810644013	**RW-2**	EPA 8260D	952277		

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Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt
	Effective Date: 05/24/2024

Laboratory receiving samples:

Asheville ☒ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Sample Condition Upon Receipt

Client Name: ENVIROSOUTH-WESTSIDE QUICKSTOP

Project #: WO#: 92810644

92810644

Courier: ☐ Commercial ☐ Fed Ex ☑ Pace ☐ UPS ☐ USPS ☐ Other:____ ☐ Client

Custody Seal Present? ☐ Yes ☑ No Seals Intact? ☐ Yes ☐ No ☑ N/A

Date/Initials Person Examining Contents: 8/4/25 APB

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Thermometer: ☑ IR Gun ID: 93T090 Type of Ice: ☑ Wet ☐ Blue ☐ None

Cooler Temp: 2.2°C Correction Factor: Add/Subtract (°C) +0.1°C

Temp should be above freezing to 6°C

☐ Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 2.3°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)? ☐ Yes ☐ No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? ☐ Yes ☐ No

				Comments/Discrepancy:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	2.
Short Hold Time Analysis (<72 hr.)?	☐ Yes	☑ No	☐ N/A	3.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	4.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	5.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	6.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	7.
Dissolved analysis: Samples Field Filtered?	☐ Yes	☐ No	☑ N/A	8.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: GW	☑ Yes	☐ No	☐ N/A	9.
Headspace in VOA Vials (>5-6mm)?	☐ Yes	☑ No	☐ N/A	10.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	11.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required? ☐ Yes ☐ No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: Date/Time:

Project Manager SCURF Review: Date:

Project Manager SRF Review: Date:

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-HUN1-0083 v05_Sample Condition Upon Receipt

Effective Date: 05/24/2024

WO#: 92810644

*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg
**Bottom half of box is to list number of bottles
***Check all unpreserved Nitrates for chlorine

Project # PM: MWB Due Date: 08/13/25
CLIENT: 92-ENVIROSOU

Laboratory Receiving Location: Asheville ☒ Eden ☐ Greenwood ☐ Huntersville ☐ Raleigh ☐ Mechanicsville ☐ Atlanta ☐ Kernersville ☐

Client Envirosouth Profile/TZ (Circle one) 4494-3 Notes WESTSIDE QUICKSTOP

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)		BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4B-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	DG94-40 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unpreserved (N/A)	DG9V-40 mL VOA H3PO4 (N/A)	KP7U-50 mL Plastic Unpreserved (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A – lab)	SP2T-250 mL Sterile Plastic (N/A – lab)		BP3R-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved (N/A) (Cl-)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)
CC																	CH												
1																	2												
2																	6												
3																	6												
4																	6												
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8																	6												
9																	6												
10																	6												
11																	6												
12																	6												
13																	6												

pH Adjustment Log for Preserved Samples

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.

Pace Analytical®

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: EnviroSouth

Billing Information:

Address:

Report To:

Email To:

Copy To:

Site Collection Info/Address:

Customer Project Name/Number: Westside Quick Stop

State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone:
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Trevor Hudson

Purchase Order #:
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required: 8/7/2025

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal:
[X] Dispose as appropriate [ ] Return
[ ] Archive: _____
[ ] Hold: _____

Rush:
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day
(Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [X] No

Analysis: _____

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signature Present Y N NA
Bottles Intact Y N NA
Correct Bottles Y N NA
Sufficient Volume Y N NA
Samples Received on Ice Y N NA
VOA - Headspace Acceptable Y N NA
USDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: _____
Sample pH Acceptable Y N NA
pH Strips: _____
Sulfide Present Y N NA
Lead Acetate Strips: _____

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	BTEX MN, 1,2-DCA, oxys	EDB
TB-1	GW	G	8/1	900				2	X	
FB-1	GW	G	8/1	915				6	X	X
Duplicate	GW	G	8/1	-				6	X	X
RW-1	GW	G	8/1	1300				6	X	X
MW-12	GW	G	8/1	1000				6	X	X
MW-1	GW	G	8/1	1010				6	X	X
RW-3	GW	G	8/1	1125				6	X	X
MW-14	GW	G	8/1	935				6		
RW-6	GW	G	8/1	1100				6		
RW-5	GW	G	8/1	1230				6		

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2786951

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 937090
Cooler 1 Temp Upon Receipt: 2.2 oC
Cooler 1 Therm Corr. Factor: +0.1 oC
Cooler 1 Corrected Temp: 2.3 oC
Comments: XPB 8/4/25

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	8-4-25 0935	[signature] / PACE	8-4-25 0935
[signature] / PACE	8-4-25 1332	[signature] PACE AVL	8/4/25 1332

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

Pace Analytical®

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: Enviroscum

Billing Information:

Address:

Report To:

Email To:

Copy To:

Site Collection Info/Address:

Customer Project Name/Number: Westside Quick Stop

State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET

Phone:
Email:

Site/Facility ID #:

Compliance Monitoring? [ ] Yes [ ] No

Collected By (print): Trevor Hudson

Purchase Order #:
Quote #:

DW PWS ID #:
DW Location Code:

Collected By (signature):

Turnaround Date Required: 8/7/2025

Immediately Packed on Ice: [X] Yes [ ] No

Sample Disposal:
[X] Dispose as appropriate [ ] Return
[ ] Archive: _____
[ ] Hold: _____

Rush:
[ ] Same Day [ ] Next Day
[ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day
(Expedite Charges Apply)

Field Filtered (if applicable): [ ] Yes [X] No
Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	BTEX MN 1,2-DCA, oxys	E003
MW-24	GW	G	8/1	1215				6	X	X
RW-7	GW	G	8/1	1035				6	X	X
RW2	GW	G	8/1	1150				6		

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	Y	N	NA
pH Strips: _____			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2786952

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 931090
Cooler 1 Temp Upon Receipt: 2.2 oC
Cooler 1 Therm Corr. Factor: +0.1 oC
Cooler 1 Corrected Temp: 2.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
[signature]	8-4-25	[signature] 8-4-25 wm PACE 0935	8-4-25 0935
Relinquished by/Company: (Signature) [signature] PACE	8-4-25 1332	Received by/Company: (Signature) [signature] PACE AVL	8/4/25 1332
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

FIELD DATA SHEETS

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: West side
Well Number: MW-1

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.105
Standing Water Column (Ft.):
Total Gallons Purged: 1.0
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
8/1	~~[illegible]~~ 950	—								RW-8: No FP	WL
	955	0.25	Free product from 23.10-23.15								
	1000	0.5									
	1005	0.75									
	1010	1.0									
			Sampled Below Product								

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: MW-12

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.02
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
8/1	945	0	25.57	3.81	268	.945	1000	1.05		Duplicate	TH
	950	.25	24.79	6.12	-105	.539	210	0.00			
	955	.50	24.79	6.16	-113	.540	204	0.00			
	1000	.75	24.79	6.18	-120	.535	199	0.00			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: MW-14

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 17.95
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
8/1	920	0	24.16	7.00	-140	.431	1000	0.00		TB-1 900	
	925	.25	24.20	6.59	-131	.400	651	0.00		FB-1: 915	
	930	.50	24.30	6.55	-130	.397	646	0.00			
	935	.75	24.33	6.51	-125	.397	600	0.00			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number:
Site:
Well Number: MW-24

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 24.60
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? Yes No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
8/1	1200	0	32.51	9.46	-6	5.13	69.6	7.29		Rw-4:	TH
	1205	.25	32.08	9.39	21	6.16	67.0	9.20		FP: 24.61-24.62	
	1210	.50	28.81	9.41	24	6.45	66.6	9.91			
	1215	.75	28.57	9.41	23	6.41	67.5	9.97			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: RW-1

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): ~~12.6~~ 24.65
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
8/1	1245	0	28.71	8.71	-176	7.23	64.3	10.11			
	1250	.25	29.00	9.11	-190	7.56	60.2	10.21			
	1255	.50	29.10	9.15	-191	7.70	60.1	10.27			
	1300	.75	29.08	9.17	-201	7.75	58.0	10.40			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: RW-2

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 24.22
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
8/1	1135	0	29.05	9.00	-100	4.10	161	0.00			
	1140	.25	29.10	9.00	-101	4.20	142	0.00			
	1145	.50	29.21	9.01	-110	4.21	140	0.00			
	1150	.75	29.25	9.02	-112	4.25	135	0.00			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: RW-3

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.80
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
811	1110	0	28.82	9.03	-145	2.31	86.6	0.00			
	1115	.25	28.22	9.50	-139	3.27	86.7	0.00			
	1120	.50	28.67	9.49	-129	3.35	86.9	0.00			
	1125	.75	28.97	9.48	-131	3.40	817.0	0.00			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: RW-5

Total Well Depth: 25.02
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.):
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
8/1	1210	—									WL
	1215	0.25									
	1220	0.5	Free Product: 24.06-25.02								
	1225	0.75									
	1230	1.0									
			Sampled Below Product								

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: RW-6

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.55
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
811	1045	0	27.20	6.51	-77	.688	106	7.93			
	1050	.25	27.44	6.33	-38	.520	74.0	7.77			
	1055	.50	27.54	6.27	-38	.490	73.7	7.69			
	1100	.75	27.60	6.25	-40	.488	70.1	7.50			

FINAL TURBIDITY:

GROUNDWATER SAMPLING LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: RW-7

Total Well Depth:
Well Diameter:
Borehole Diameter:

Min. Number Well Vol. To Be Purged:
Vol. Per Vertical Ft. Casing (Gal.):
Vol. Per Linear Well Feet (Gal./Ft.):

Static Water Level (Ft.): 23.70
Standing Water Column (Ft.):
Total Gallons Purged:
Containerized? (Yes) No

Amt. One Well Vol. (Gal.):
Total Gal. To Be Purged:

Purging System:
Sampling System:

DATE	TIME	AMOUNT PURGED (GAL.)	FIELD PARAMETERS MEASURED							COMMENTS	SAMPLER
			TEMP (°C)	pH	ORP (mV)	EC (mS/cm)	TURBIDITY (NTU)	DO (mg/L)	PID (ppm)		
8/1	1020	0	26.44	6.54	173	1.04	113	0.00			
	1025	.25	25.94	6.58	-178	1.15	126	0.00			
	1030	.50	25.62	6.60	-175	1.20	111	0.00			
	1035	.75	25.48	6.61	-175	1.23	115	0.00			

FINAL TURBIDITY:

Emerald, Inc.
CONSULTING AND ENGINEERING
SERVICES IN ENVIRONMENTAL AFFAIRS

2520 TAHOE DRIVE · POST OFFICE BOX 3050 · SUMTER, SOUTH CAROLINA 29151

WEBSITE:
www.emeraldinc-us.com

TELEPHONE (803) 469-5454
FAX (803) 469-5465

July 31, 2025

Thomas F. Donn, P.G., President
EnviroSouth, Inc.
3440 Augusta Road
Greenville, SC 29605

Aggressive Fluid Vapor Recovery Report
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
UST Permit # 12430

Mr. Donn,

Please find the attached Aggressive Fluid Vapor Recovery (AFVR) Report for the Westside Quick Stop site.

AGGRESSIVE FLUID VAPOR RECOVERY EVENT

On July 14 through 18, 2025, Emerald, Inc. personnel performed a 96-hour AFVR event utilizing RW-1, RW-2, RW-4, and RW-5 as extraction locations. This 96-hour event was conducted to remove free phase petroleum product previously detected at the subject site. Free phase petroleum product was detected in extraction wells RW-1 (0.45 feet), RW-2 (0.20 feet), RW-4 (0.13 feet), and RW-5 (1.77 feet) prior to this event. At the conclusion of this event, product was not detected in extraction wells. Personnel also used the AFVR unit to remove any remaining free product from monitoring wells MW-1 and MW-24 at the conclusion of the event. Monitoring well locations are presented on the attached site map provided by EnviroSouth, Inc. This AFVR event was conducted to remove free product released from the smear zone during a prior injection event.

Table 1 contains knockout tank vacuums and calculations for dry standard air flow recorded during the event. Table 2 presents the off-gas concentrations (using a Photoionization Detector), post treatment off-gas concentrations, and pollutant removal rates. Table 3 presents the stinger depths, wellhead vacuum measurements, water levels measurements, and magnehelic readings obtained during the event. Emerald, Inc. field personnel normally record data at thirty-minute intervals for the first eight hours of the event, then at one hour intervals from hours nine through twenty four and at two hour intervals from hour twenty four until the conclusion of the event. During the hours of midnight to 8 AM event monitoring was suspended. Off-gas treatment was utilized throughout the event to limit exposure of the off-gas to the general public using a catalytic oxidizer.

According to the calculations as presented on Table 2, a total of 73.10 pounds of hydrocarbons (as vapor) and 11.88 equivalent gallons of hydrocarbons were removed during this event. A free product sheen was detected in the knockout tank/tanker during this event. According to the meter, a total of 10,615gallons of petroleum contaminated groundwater was transported to the City of Manning Wastewater Facility in Manning S.C. for proper disposal. A copy of the disposal manifest and photographs of the meter are included as attachments.

If you have any questions or concerns, please feel free to contact Emerald, Inc. at 803-469-5454.

Emerald, Inc.

Dan Alexander | LH

Dan Alexander
Project Manager

William C. McClary, P.G.
President

Attachments

TABLE 1
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDHEC SITE ID #12430

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diamter (Inches)	Water Vapor (%)	Offgas Velocity (ft/min)	CFM (ft^3/min)	Qstd (ft3/min)
RW-1	7/14/25	10:00	Start								
RW-2		10:30	0.5		112	7.1	3.0	<0.1	150	130	120.00
RW-4		11:00	0.5		131	6.4	3.0	<0.1	150	130	116.14
RW-5		11:30	0.5		142	6.2	3.0	<0.1	150	130	114.02
		12:00	0.5		146	5.9	3.0	<0.1	150	130	113.27
		12:30	0.5		162	5.8	3.0	<0.1	150	130	110.35
		13:00	0.5		165	5.7	3.0	<0.1	150	130	109.82
		13:30	0.5		169	5.6	3.0	<0.1	150	130	109.13
		14:00	0.5		175	5.2	3.0	<0.1	150	130	108.09
		14:30	0.5		182	5.6	3.0	<0.1	150	130	106.92
		15:00	0.5		193	6.0	3.0	<0.1	150	130	105.11
		15:30	0.5		200	4.9	3.0	<0.1	150	130	104.00
		16:00	0.5		201	4.5	3.0	<0.1	150	130	103.84
		16:30	0.5		203	4.8	3.0	<0.1	150	130	103.53
		17:00	0.5		204	5.2	3.0	<0.1	150	130	103.37
		17:30	0.5		196	5.3	3.0	<0.1	150	130	104.63
		18:00	0.5		196	5.4	3.0	<0.1	150	130	104.63
		19:00	1.0		199	5.5	3.0	<0.1	150	130	104.16
		20:00	1.0		200	5.4	3.0	<0.1	150	130	104.00
		21:00	1.0		207	5.7	3.0	<0.1	150	130	102.91
		22:00	1.0		208	5.6	3.0	<0.1	150	130	102.75
		23:00	1.0		204	6.2	3.0	<0.1	150	130	103.37
	7/15/25	24:00	1.0		199	6.5	3.0	<0.1	150	130	104.16
		8:00	8.0		199	4.8	3.0	<0.1	150	130	104.16
		9:00	1.0		197	4.7	3.0	<0.1	150	130	104.47
		10:00	1.0		202	4.7	3.0	<0.1	150	130	103.69
		12:00	2.0		203	4.6	3.0	<0.1	150	130	103.53
		14:00	2.0		200	5.2	3.0	<0.1	150	130	104.00
		16:00	2.0		195	5.3	3.0	<0.1	150	130	104.79
		18:00	2.0		194	5.7	3.0	<0.1	150	130	104.95
		20:00	2.0		199	6.0	3.0	<0.1	150	130	104.16
		22:00	2.0		185	6.2	3.0	<0.1	150	130	106.42

TABLE 1 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDHEC SITE ID #12430

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diamter (Inches)	Water Vapor (%)	Offgas Velocity (CFM)	CFM (ft^3/min)	Qstd (f^{t3}/min)
RW-1	7/15/25	24:00	2.0		189	6.4	3.0	<0.1		150	122.03
RW-2	7/16/25	8:00	2.0		175	6.6	3.0	<0.1		150	124.72
RW-4		10:00	2.0		179	5.8	3.0	<0.1		150	123.94
RW-5		12:00	8.0		181	5.5	3.0	<0.1		150	123.56
		14:00	2.0		189	5.4	3.0	<0.1		150	122.03
		16:00	2.0		190	5.5	3.0	<0.1		150	121.85
		18:00	2.0		194	6.1	3.0	<0.1		150	121.10
		20:00	2.0		196	5.8	3.0	<0.1		150	120.73
		22:00	2.0		200	5.5	3.0	<0.1		150	120.00
		24:00	2.0		199	5.4	3.0	<0.1		150	120.18
	7/17/25	8:00	8.0		187	5.1	3.0	<0.1		150	122.41
		10:00	2.0		188	5.7	3.0	<0.1		150	122.22
		12:00	2.0		185	6.0	3.0	<0.1		150	122.79
		14:00	2.0		188	5.4	3.0	<0.1		150	122.22
		16:00	2.0		190	5.7	3.0	<0.1		150	121.85
		18:00	2.0		197	5.8	3.0	<0.1		150	120.55
		20:00	2.0		200	6.2	3.0	<0.1		150	120.00
		22:00	2.0		202	5.7	3.0	<0.1		150	119.64
		24:00	2.0		204	5.6	3.0	<0.1		150	119.28
	7/18/25	8:00	8.0		199	5.4	3.0	<0.1		150	120.18
		10:00	2.0		197	5.6	3.0	<0.1		150	120.55

Well Gauging Data			Before AFVR Event			After AFVR Event		
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)
RW-1	4	20-40	23.80	24.25	0.45	---	31.00	---
RW-2	4	22-42	23.40	23.60	0.20	---	25.20	---
RW-4	4	22-42	23.83	23.96	0.13	---	25.75	---
RW-5	4	22-42	23.16	24.93	1.77	---	31.25	---
MW-1	2	---	22.35	22.65	0.30	---	23.86	---
MW-24	2	---	23.85	24.15	0.30	---	26.10	---
RW-8	4	---	---	23.07	---	---	25.10	---

Notes

Product was removed from MW-1, MW-24, and RW-8 using the AFVR unit and the conclusion of the event.

Product sheen detected in tanker.

Product Thickness	
Product observed in Sight Tube?	No
Product detected in Tanker?	No

Weather Conditions		Emerald, Inc. Personnel
7/14/25	Mostly Cloudy, 64-94°F	
7/15/25	Partly Cloudy, 71-91°F	VERCO
7/16/25	Clear, 74-90°F	
7/17/25	Partly Cloudy, 75-93°F	
7/18/25	Cloudy, 72-91°F	

Equations

Qstd = Flow in Dry Standard Cubic Feet Per Minute

Pipe ID = Inside Diameter of discharge pipe

Relative Humidity = Relative humidity at discharge pipe

Water Vapor = Pounds of water per pound of dry air from psychrometric charts

CFM = Air Flow (ft/min) x ((daimeter (in)/24)2)

Temperature Constant = 528°F/(Measured temp +460)

Qstd Calculation = (1-water vapor) x velocity (ft/min) x Temp constant

TABLE 2
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDHEC SITE ID #12430

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-1	7/14/25	10:00	Start										
RW-2		10:30	0.5	7,800	276.4	120.0	4.0	31,200	259,244	1.6185E-04	1.165	2.726	0.68
RW-4		11:00	0.5	7,913	285.9	116.1	4.0	31,652	262,999	1.6419E-04	1.144	2.676	1.35
RW-5		11:30	0.5	8,034	281.5	114.0	4.0	32,136	267,021	1.6670E-04	1.140	2.668	1.34
		12:00	0.5	8,162	280.7	113.3	4.0	32,648	271,275	1.6936E-04	1.151	2.692	1.34
		12:30	0.5	7,946	277.1	110.4	4.0	31,784	264,096	1.6488E-04	1.092	2.554	1.31
		13:00	0.5	7,891	273.2	109.8	4.0	31,564	262,268	1.6373E-04	1.079	2.524	1.27
		13:30	0.5	7,804	269.3	109.1	4.0	31,216	259,377	1.6193E-04	1.060	2.480	1.25
		14:00	0.5	7,698	261.5	108.1	4.0	30,792	255,853	1.5973E-04	1.036	2.423	1.23
		14:30	0.5	7,720	259.6	106.9	4.0	30,880	256,585	1.6019E-04	1.028	2.404	1.21
		15:00	0.5	7,653	251.3	105.1	4.0	30,612	254,358	1.5880E-04	1.002	2.343	1.19
		15:30	0.5	7,602	249.1	104.0	4.0	30,408	252,663	1.5774E-04	0.984	2.302	1.16
		16:00	0.5	7,515	246.2	103.8	4.0	30,060	249,771	1.5593E-04	0.972	2.273	1.14
		16:30	0.5	7,476	239.0	103.5	4.0	29,904	248,475	1.5512E-04	0.964	2.254	1.13
		17:00	0.5	7,429	230.6	103.4	4.0	29,716	246,913	1.5415E-04	0.956	2.236	1.12
		17:30	0.5	7,357	222.4	104.6	4.0	29,428	244,520	1.5265E-04	0.958	2.242	1.12
		18:00	0.5	7,199	218.2	104.6	4.0	28,796	239,269	1.4938E-04	0.938	2.194	1.11
		19:00	1.0	6,825	214.1	104.2	4.0	27,300	226,838	1.4162E-04	0.885	2.070	2.13
		20:00	1.0	6,505	209.5	104.0	4.0	26,020	216,203	1.3498E-04	0.842	1.970	2.02
		21:00	1.0	6,317	198.9	102.9	4.0	25,268	209,954	1.3107E-04	0.809	1.893	1.93
		22:00	1.0	6,241	190.7	102.8	4.0	24,964	207,428	1.2950E-04	0.798	1.868	1.88
		23:00	1.0	5,987	179.8	103.4	4.0	23,948	198,986	1.2423E-04	0.771	1.802	1.83
		24:00	1.0	5,831	171.0	104.2	4.0	23,324	193,801	1.2099E-04	0.756	1.769	1.79
	7/15/25	8:00	8.0	3,962	128.3	104.2	4.0	15,848	131,682	8.2209E-05	0.514	1.202	11.88
		9:00	1.0	3,793	125.2	103.7	4.0	15,172	126,066	7.8703E-05	0.490	1.145	1.17
		10:00	2.0	3,605	119.3	103.5	4.0	14,420	119,817	7.4802E-05	0.465	1.087	2.23
		12:00	2.0	3,264	109.1	103.5	4.0	13,056	108,483	6.7726E-05	0.421	0.984	2.13
		14:00	2.0	2,999	104.2	104.0	4.0	11,996	99,676	6.2228E-05	0.388	0.908	1.89
		16:00	2.0	3,122	109.3	104.8	4.0	12,488	103,764	6.4780E-05	0.407	0.953	1.86
		18:00	2.0	2,913	103.1	105.0	4.0	11,652	96,818	6.0443E-05	0.381	0.890	1.84
		20:00	2.0	2,689	101.4	104.2	4.0	10,756	89,373	5.5795E-05	0.349	0.816	1.71
		22:00	2.0	2,600	105.6	106.4	4.0	10,400	86,415	5.3949E-05	0.344	0.806	1.62

TABLE 2 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDHEC SITE ID #12430

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-1	7/15/25	24:00	2.0	2,474	99.8	122.0	4	9,896	82,227	5.133E-05	0.376	0.879	1.69
RW-2	7/16/25	8:00	8.0	1,310	41.7	124.7	4	5,240	43,540	2.718E-05	0.203	0.476	5.42
RW-4		10:00	2.0	1,126	36.3	123.9	4	4,504	37,424	2.336E-05	0.174	0.406	0.88
RW-5		12:00	2.0	998.2	29.7	123.6	4	3,993	33,177	2.071E-05	0.154	0.359	0.77
		14:00	2.0	1,051	22.3	122.0	4	4,204	34,931	2.181E-05	0.160	0.374	0.73
		16:00	2.0	941.6	19.2	121.8	4	3,766	31,295	1.954E-05	0.143	0.334	0.71
		18:00	2.0	890.7	10.3	121.1	4	3,563	29,604	1.848E-05	0.134	0.314	0.65
		20:00	2.0	927.5	9.1	120.7	4	3,710	30,827	1.925E-05	0.139	0.326	0.64
		22:00	2.0	883.4	7.2	120.0	4	3,534	29,361	1.833E-05	0.132	0.309	0.63
		24:00	2.0	812.5	<1.0	120.2	4	3,250	27,005	1.686E-05	0.122	0.284	0.59
	7/17/25	8:00	8.0	376.9	<1.0	122.4	4	1,508	12,527	7.820E-06	0.057	0.134	1.67
		10:00	2.0	312.1	<1.0	122.2	4	1,248	10,373	6.476E-06	0.047	0.111	0.25
		12:00	2.0	269.5	<1.0	122.8	4	1,078	8,957	5.592E-06	0.041	0.096	0.21
		14:00	2.0	200.6	<1.0	122.2	4	802	6,667	4.162E-06	0.031	0.071	0.17
		16:00	2.0	163.4	<1.0	121.8	4	654	5,431	3.390E-06	0.025	0.058	0.13
		18:00	2.0	213.5	<1.0	120.5	4	854	7,096	4.430E-06	0.032	0.075	0.13
		20:00	2.0	207.7	<1.0	120.0	4	831	6,903	4.310E-06	0.031	0.073	0.15
		22:00	2.0	194.1	<1.0	119.6	4	776	6,451	4.027E-06	0.029	0.068	0.14
		24:00	2.0	189.3	<1.0	119.3	4	757	6,292	3.928E-06	0.028	0.066	0.13
	7/18/25	8:00	8.0	131.2	<1.0	120.2	4	525	4,361	2.722E-06	0.020	0.046	0.45
		10:00	2.0	119.6	<1.0	120.5	4	478	3,975	2.482E-06	0.018	0.042	0.09

Recovery / Disposal Information

Pollutant removal as Carbon:	31.07	**Pounds**
Pollutant Removal as Vapor:	73.10	**Equivalent Pounds of Gasoline**
Pollutant Removal as Gasoline:	11.88	**Equivalent Gallons**
Total Liquids Removed:	10,615	**Gallons**
Total Liquid Product Removed:	0	**Gallons**
Disposal Facility:	City of Manning Wastewater Facility	

Notes

Equations

PMMc = PPM x K

Cgm = PPMc * (Mg/K_3)

Cc = Cg:m x 62.43E-9 lb-m^3/mg-ft^3

PMRc = Cc x Qstd x 60 min/hr

PMR = PMR x (Mg/Mcg)

Notes

↑ = Stinger raised ↓ = Stinger lowered

PMRc = lb/hr (pollutant mass removal rate)

PMRg = pollutant mass removal of gasoline

Notes

Offgas measured by photoionization detector (ppm)

K = number of carbons in calibration gas

PPMC=Offgas PPM x K, volumetric concentration as gasoline emission

CC:m = mg/dsm^3, mass of gasoline emission

Mg = 200mg/mg-mole (molecular weight of gasoline)

Mc = 12.01 mg/mg-mole (Molecular weight of carbon)

K_3 = 24.07dsm^3/1E6 mg-mole (mass to volume conversion factor at STP)

Cc = lb/dscf (mass concentration of VOC emissions as carbon, dry basis at STP)

TABLE 3
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDHEC SITE ID #12430

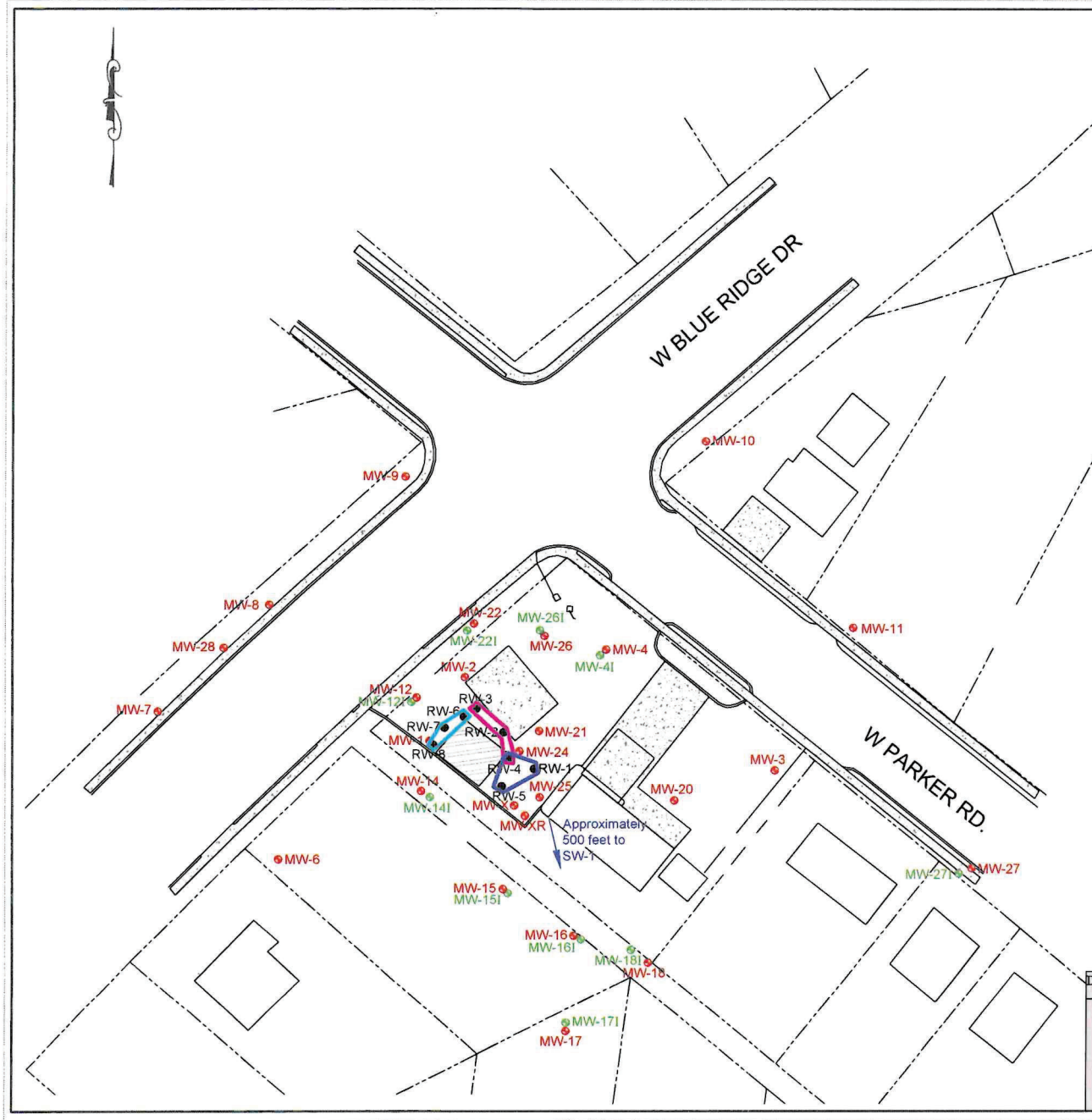
Date	Time (hh:mm)	Extraction Wells								Event Monitoring							
		RW-1		RW-2		RW-4		RW-5		MW-1			MW-24			RW-3	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Product (ft.)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Product (ft.)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
7/14/25	10:00	24.0	15.0	23.5	11.0	24.0	14.0	23.0	15.0	Pre	22.35	22.65	Pre	23.85	24.15	Pre	23.07
	10:30	24.0	15.0	23.5	11.0	24.0	14.0	23.0	15.0	---	---	---	---	---	---	---	---
	11:00	24.5	15.0	24.0	10.0	24.5	14.0	23.5	15.0	---	---	---	---	---	---	---	---
	11:30	25.0	15.0	24.5	10.0	25.0	14.0	24.0	15.0	---	---	---	---	---	---	---	---
	12:00	25.5	15.0	25.0	10.0	25.5	14.0	24.5	15.0	<0.01	---	---	1.79	---	---	<0.01	---
	12:30	26.0	15.0	25.5	11.0	26.0	14.0	25.0	15.0	---	---	---	---	---	---	---	---
	13:00	26.5	15.0	26.0	11.0	26.5	14.0	25.5	15.0	---	---	---	---	---	---	---	---
	13:30	27.0	15.0	26.5	11.0	27.0	13.0	26.0	15.0	---	---	---	---	---	---	---	---
	14:00	27.5	15.0	27.0	10.0	27.0	13.0	26.5	15.0	<0.01	---	---	1.86	---	---	<0.01	---
	14:30	27.0	15.0	27.0	10.0	27.0	13.0	27.0	15.0	---	---	---	---	---	---	---	---
	15:00	27.0	15.0	27.0	10.0	27.0	13.0	27.0	15.0	---	---	---	---	---	---	---	---
	15:30	27.0	15.0	27.0	10.0	27.0	13.0	27.0	15.0	---	---	---	---	---	---	---	---
	16:00	27.0	15.0	27.0	10.0	27.0	13.0	27.0	15.0	<0.01	---	---	1.87	---	---	<0.01	---
	16:30	27.0	15.0	27.0	10.0	27.0	13.0	27.0	15.0	---	---	---	---	---	---	---	---
	17:00	27.0	15.0	27.0	10.0	27.0	13.0	27.0	15.0	---	---	---	---	---	---	---	---
	17:30	27.0	16.0	27.0	10.0	27.0	13.0	27.0	15.0	---	---	---	---	---	---	---	---
	18:00	26.0	16.0	26.0	9.0	26.0	14.0	26.0	15.0	<0.01	22.36	22.66	1.93	25.85	26.40	<0.01	23.08
	19:00	26.0	16.0	26.0	9.0	26.0	14.0	26.0	15.0	---	---	---	---	---	---	---	---
	20:00	25.0	16.0	25.0	9.0	25.0	14.0	25.0	15.0	<0.01	---	---	2.01	---	---	<0.01	---
	21:00	25.0	16.0	25.0	9.0	25.0	14.0	25.0	15.0	---	---	---	---	---	---	---	---
	22:00	25.0	16.0	25.0	9.0	25.0	14.0	25.0	15.0	<0.01	---	---	2.00	---	---	<0.01	---
	23:00	25.0	16.0	25.0	9.0	25.0	14.0	25.0	15.0	---	---	---	---	---	---	---	---
	24:00	27.0	16.0	27.0	10.0	27.0	14.0	27.0	15.0	<0.01	22.33	22.63	2.05	25.87	26.42	<0.01	23.09
7/15/25	8:00	27.0	16.0	27.0	10.0	27.0	14.0	27.0	15.0	<0.01	22.38	22.68	1.97	25.71	26.44	<0.01	23.11
	9:00	31.0	16.0	31.0	10.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---
	10:00	31.0	16.0	31.0	11.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---
	12:00	31.0	16.0	31.0	11.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---
	14:00	31.0	16.0	31.0	12.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---
	16:00	31.0	18.0	31.0	12.0	31.0	14.0	31.0	15.0	<0.01	22.37	22.67	2.17	26.64	27.40	<0.01	23.08
	18:00	31.0	18.0	31.0	12.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---
	20:00	31.0	18.0	31.0	13.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---
	22:00	31.0	18.0	31.0	13.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---

Notes:

TABLE 3 Cont'd.
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDHEC SITE ID #12430

Date	Time (hh:mm)	Extraction Wells								Event Monitoring							
		RW-1		RW-2		RW-4		RW-5		MW-1			MW-24			RW-3	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Product (ft.)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Product (ft.)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
7/15/25	24:00	31.0	19.0	31.0	13.0	31.0	14.0	31.0	15.0	<1..0	22.49	22.68	1.79	26.86	27.70	<1..0	23.10
7/16/25	8:00	31.0	17.0	31.0	13.0	31.0	14.0	31.0	15.0	<1..0	22.48	22.70	2.21	26.36	27.01	<1..0	23.14
	9:00	31.0	17.0	31.0	13.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---
	10:00	31.0	17.0	31.0	13.0	31.0	14.0	31.0	15.0	<1..0	---	---	2.66	---	---	<1..0	---
	12:00	31.0	17.0	31.0	13.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---
	14:00	31.0	17.0	31.0	13.0	31.0	14.0	31.0	15.0	---	---	---	---	---	---	---	---
	16:00	31.0	18.0	31.0	13.0	31.0	14.0	31.0	15.0	<1..0	22.40	22.70	2.31	27.23	27.80	<1..0	23.11
	18:00	31.0	18.0	31.0	13.0	31.0	14.0	31.0	16.0	---	---	---	---	---	---	---	---
	20:00	31.0	18.0	31.0	13.0	31.0	14.0	31.0	16.0	---	---	---	---	---	---	---	---
	22:00	31.0	18.0	31.0	13.0	31.0	14.0	31.0	16.0	<1..0	---	---	2.35	---	---	<1..0	---
	24:00	31.0	18.0	31.0	13.0	31.0	14.0	31.0	16.0	<1..0	22.38	22.68	2.39	26.78	27.22	<1..0	23.10
7/17/25	8:00	31.0	18.0	31.0	13.0	31.0	14.0	31.0	16.0	<1..0	22.36	22.67	2.36	26.24	26.80	<1..0	23.07
	10:00	31.0	18.0	31.0	13.0	31.0	14.0	31.0	16.0	---	---	---	---	---	---	---	---
	12:00	31.0	18.0	31.0	14.0	31.0	14.0	31.0	16.0	<1..0	---	---	2.32	---	---	<1..0	---
	14:00	31.0	18.0	31.0	14.0	31.0	14.0	31.0	16.0	---	---	---	---	---	---	---	---
	16:00	31.0	18.0	31.0	14.0	31.0	14.0	31.0	16.0	<1..0	22.35	22.66	2.28	26.33	26.82	<1..0	23.05
	18:00	31.0	18.0	31.0	14.0	31.0	15.0	31.0	17.0	---	---	---	---	---	---	---	---
	20:00	31.0	18.0	31.0	14.0	31.0	15.0	31.0	17.0	<1..0	---	---	2.29	---	---	<1..0	---
	22:00	31.0	18.0	31.0	14.0	31.0	15.0	31.0	17.0	---	---	---	---	---	---	---	---
	24:00	31.0	18.0	31.0	14.0	31.0	15.0	31.0	17.0	<1..0	22.37	22.67	2.25	26.27	26.82	<1..0	23.08
7/18/25	8:00	31.0	18.0	31.0	14.0	31.0	15.0	31.0	17.0	<1..0	22.36	22.64	2.20	26.22	26.81	<1..0	23.10
	10:00	31.0	18.0	31.0	14.0	31.0	15.0	31.0	17.0	<1..0	22.36	22.64	21.70	26.22	26.81	<1..0	23.10

Notes:



EXPLANATION

MW-1	= SHALLOW AQUIFER MONITORING WELL
MW-29I	= INTERMEDIATE AQUIFER MONITORING WELL
RW-1	= RECOVERY WELL
	= UST AREA
	= AFVR ZONE 1
	= AFVR ZONE 2
	= AFVR ZONE 2
	= GIS PROPERTY LINE
	= FENCE LINE

NOTE: Wells MW-5, MW-19, MW-19I, MW-23, and MW-23I are not shown on map because they were previously destroyed or abandoned.

DWG: SOUTHER LAND SURVEYING 2017 SURVEY	DATE 08/05/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 2

ENVIROSOUTH Environmental Consultants

SITE MAP WITH AFVR ZONES

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1849-1

2. Page 1 of

3. Generator's Name and Mailing Address
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
Permit# 12430

4. Generator's Phone ( )

5. Transporter 1 Company Name
Emerald, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone 803-469-5454

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater	1	TT	5515	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Christopher Scott Jr
Signature: Cj Scott
Date: Month 7 Day 16 Year 25

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Donnie Byne
Signature:
Date: Month 7 Day 16 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

Printed/Typed Name: Kathy Hodge
Signature: Kathy Hodge
Date: Month 7 Day 23 Year 25

FACILITY

NON-HAZARDOUS WASTE

GF14 2002 LABELMASTER® 1-800-621-8808 www.labelmaster.com

GPI
Electronic
Fuel Meter
Motor
s Only
TTL1
GAL
5517
PLAY
GREAT PLAINS INDUSTRIES, INC. WICHITA, KS.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1849-2

2. Page 1 of

3. Generator's Name and Mailing Address
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
Permit# 12430

4. Generator's Phone

5. Transporter 1 Company Name
Emerald, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone 803-469-5454

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater	1	T	5100	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Christopher Scott Jr
Signature: CJ Scott
Date: Month 7 Day 18 Year 25

17. Transporter 1 Acknowledgement of Receipt of Materials

TRANSPORTER

Printed/Typed Name: Donnie Jone
Signature:
Date: Month 7 Day 18 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

Printed/Typed Name: Kathy Hodge
Signature: Kathy Hodge
Date: Month 7 Day 23 Year 25

NON-HAZARDOUS WASTE

Electronic
Fuel Meter
GAL
GREAT PLAINS INDUSTRIES, INC., WICHITA, K

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address: Enviro South Inc

Corner Stop 54
Westside

4. Generator's Phone (864) 979 7862

5. Transporter 1 Company Name — 6. US EPA ID Number

A. State Transorter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name — 8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: South Carolina Waste Management, 13775 E. Wade Hampton Blvd Greer SC — 10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Petroleum Contact Water (C354)		Trk Tank	2.75 gal	
b. Petroleum Contact Water (Westside)		Trk Tank	8.0 gal	
c.			10.75 gal Total	
d.				

G. Additonal Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

NON-HAZARDOUS WASTE

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: William H. Lyons — Signature: Wm. H. Lyons — Date: Month 8 Day 13 Year 25

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: William H. Lyons — Signature: Wm. H. Lyons — Date: Month 8 Day 13 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this maifest, except as noted in item 19.

Printed/Typed Name: Cindy M Jordan — Signature — Date: Month 8 Day 13 Year 25

WASTE DISPOSAL MANIFEST

CONTRACTOR CHECKLIST

#12430

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the "No" box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	✓		
2	Is UST Owner/Operator name, address, & phone number provided?	✓		
3	Is name, address, & phone number of current property owner provided?	✓		
4	Is the SCDHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	✓		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			✓
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?	✓		
7	Has the facility history been summarized?	✓		
8	Has the regional geology and hydrogeology been described?	✓		
9	Are the receptor survey results provided as required?			✓
10	Has current use of the site and adjacent land been described?	✓		
11	Has the site-specific geology and hydrogeology been described?	✓		
12	Has the primary soil type been described?			✓
13	Have field screening results been described?			✓
14	Has a description of the soil sample collection and preservation been detailed?			✓
15	Has the field screening methodology and procedure been detailed?			✓
16	Has the monitoring well installation and development dates been provided?			✓
17	Has the method of well development been detailed?			✓
18	Has justification been provided for the locations of the monitoring wells?			✓
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	✓		
20	Has the groundwater sampling methodology been detailed?	✓		
21	Have the groundwater sampling dates and groundwater measurements been provided?	✓		
22	Has the purging methodology been detailed?	✓		
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?	✓		
24	If free-product is present, has the thickness been provided?	✓		
25	Does the report include a brief discussion of the assessment done and the results?	✓		
26	Does the report include a brief discussion of the aquifer evaluation and results?			✓
27	Does the report include a brief discussion of the fate & transport models used?			✓

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			✓
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			✓
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			✓
31	Have recommendations for further action been provided and explained?	✓		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			✓
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	✓		
34	Has the current and historical laboratory data been provided in tabular format?	✓		
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			✓
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			✓
37	Has the topographic map been provided with all required elements? (Figure 1)	✓		
38	Has the site base map been provided with all required elements? (Figure 2)	✓		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)	✓		
40	Has the site potentiometric map been provided? (Figure 5)	✓		
41	Have the geologic cross-sections been provided? (Figure 6)			✓
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			✓
43	Has the site survey been provided and include all necessary elements? (Appendix A)			✓
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)	✓		
45	Is the laboratory performing the analyses properly certified?	✓		
46	Has the tax map been included with all necessary elements? (Appendix C)			✓
47	Have the soil boring/field screening logs been provided? (Appendix D)			✓
48	Have the well completion logs, DHEC Form 2099, and DHEC Form 1903 been provided? (Appendix E)			✓
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			✓
50	Have the disposal manifests been provided? (Appendix G)	✓		
51	Has a copy of the local zoning regulations been provided? (Appendix H)			✓
52	Has all fate and transport modeling been provided? (Appendix I)			✓
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			✓
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	✓		

[redacted] Hard Copy [redacted] CD ☐ Email

RECEIVED

SEP 10 2025

UST DIVISION

Date Received _____

Permit Number 12430

Project Manager Adam Looper

Name of Contractor Envirosouth

Description 2nd injection Report

Docket Number 90T

Scanned _____

Verified _____

ENVIROSOUTH
Environmental Consultants

September 5, 2025

Mr. Adam Looper, P.G.
SCDES
UST Management Division
2600 Bull Street
Columbia, South Carolina 29201

Re: 2nd Injection Report
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES Site ID No. 12430
EnviroSouth Job No. 3570

Dear Mr. Looper:

On behalf of Shree Gajvakra, LLC, EnviroSouth, Inc. is pleased to submit the attached report for the above-referenced site in Greenville, South Carolina.

If you have any questions concerning our findings, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

cc: Mr. Ankur Patel, Shree Gajvakra, LLC

Prepared for:

Mr. Ankur Patel
Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

2ND INJECTION REPORT

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

Job No. 3570
SCDES UST IID No. 12430
Cost Agreement Nos.: 69805 and 69806

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

UST Contractor #257

September 5, 2025

A report prepared for:

Mr. Ankur Patel
Shree Gajvakra LLC
205 Fairway Drive
Laurens, South Carolina 29360

2ND INJECTION REPORT
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

EnviroSouth Job No. 3570
SCDES UST ID No. 12430
Cost Agreement Nos.: 69805 and 69806

Prepared by:

William H. Lyons, P.G.
Senior Hydrogeologist
S.C. Registration No. 2705

Reviewed by:

Keigan K. Mennetti, P.E.
Environmental Engineer
S.C. License No. 40996

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605
864-236-9010

SCDES UST Contractor #257

September 5, 2025

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INJECTION FIELD SHEETS

WATER WELL RECORD FORM

CONTRACTOR CHECKLIST

INTRODUCTION

The Westside Quick Stop facility is located in the city of Greenville, Greenville County, South Carolina at the location displayed on Figure 1. The site address is 821 W. Parker Road, Greenville, South Carolina. The facility is in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road and W. Blue Ridge Drive. The site is an active gasoline station that maintains four (4) regulated underground storage tanks (USTs) and associated piping and dispensers. The site has two (2) open and documented releases from the UST system. Release #1 was reported in June 2012 and Release #2 was reported in October 2012. These releases are the subject of the targeted scope corrective action detailed below.

EnviroSouth, Inc. has completed the second round of three (3) planned injection activities as specified in the Corrective Action Plan (CAP) for the Westside Quick Stop facility. The work was authorized as directed by the South Carolina Department of Environmental Services (SCDES; formerly known as the SCDHEC) in a letter dated May 6, 2025.

SUMMARY OF ASSESSMENT

An Initial Groundwater Assessment (IGWA), Tier I Assessment, and an initial Tier II Assessment were completed in response to the two (2) releases documented at the site. As a result of the presence of free-phase gasoline in groundwater monitoring well MW-1 during a May 2016 groundwater gauging event conducted by the South Carolina Department of Environmental Services (SCDES), an additional Tier II Assessment and two (2) 96-hour Aggressive Fluid Vapor Recovery/Mobile Multi-Phase Extraction (AFVR/MMPE) events were completed at the site in early 2017. Additional 96-hour AFVR/MMPE events were completed at the site in May 2018, January 2020, February 2021, March 2021, February 2022, and March 2022. Four (4) additional 96-hour AFVR/MMPE events and a comprehensive groundwater sampling event were performed from September 2023 to October 2023. A comprehensive groundwater monitoring report detailing these field activities was submitted in December 2023.

After completing twelve (12) 96-hour AFVR events (as detailed above), widespread free-phase product remained at thicknesses up to 1.14 feet (November 2023).

While product thickness reductions have been observed, the releases cannot be closed until product thicknesses are reduced to less than 0.01 feet and dissolved contaminant concentrations are below site-specific target levels (SSTLs). Based on the persistence of free-phase product, it has become evident that an alternative, more aggressive, approach to reach closure was needed. Therefore, the SCDES modeled the site using the Domenico groundwater fate and transport model, established SSTLs, and requested a Strategy to Closure in a letter dated July 19, 2024.

EnviroSouth developed a Strategy to Closure that consisted of in-situ chemical oxidation (ISCO) utilizing an oxidizing surfactant combined with AFVR in the source area of the petroleum releases, an approach commonly referred to as enhanced AFVR. This approach was submitted to the SCDES in August 2024 for review. After discussion with the SCDES project team, the strategy was amended to become more robust by treating the entire release area with a stronger dose of oxidant than previously considered to optimize the chance for success.

A Corrective Action Plan (CAP) was submitted to the SCDES in January 2025 and revised in February 2025 to amend the published schedule of events. The CAP was authorized as directed by the SCDES in a letter dated May 6, 2025.

REGIONAL AND SITE HYDROGEOLOGY

The site is located in the Piedmont physiographic province of South Carolina which is characterized by crystalline bedrock overlain by varying thicknesses of soil referred to as saprolite. The saprolite is derived from the in-place chemical weathering of the bedrock. Saprolite retains much of the original structure of the parent rock. The remnant structures can have a significant effect on the groundwater flow rate and direction.

Groundwater recharge in the Piedmont is principally from precipitation. Average annual rainfall throughout the region is about 45 inches. Approximately 30 inches per year are lost as surface runoff or evapotranspiration, leaving about 15 inches of precipitation per year available for groundwater recharge. Generally, in the Piedmont, the shallow or water table aquifer is comprised of saprolite which acts as a collection reservoir, recharging the deeper bedrock system.

Based on the geologist logs of monitoring wells installed at the site during earlier assessments, the area of concern is underlain by saprolitic sandy silts and silty sands to depths greater than 40 feet below ground surface (bgs). Below this depth, the area is likely underlain by gneiss bedrock.

CORRECTIVE ACTION ACTIVITIES

Permitting

An underground injection control (UIC) permit application was prepared by EnviroSouth and approved by Ms. Courtney Milledge, SCDES UIC coordinator. UIC permits to construct and operate 147 temporary injection wells were issued as permit numbers SCHE000085 and SCHE000085 V2.0, respectively.

Free-Phase Product (Gasoline)

All monitoring and recovery wells were gauged for the presence of free-phase product during the interim sampling event between injection events. Free-phase product was encountered at monitoring well MW-1 and recovery wells RW-4 and RW-5. Product thicknesses were 0.01 feet at recovery well RW-4, 0.05 feet at monitoring well MW-1, and 0.96 feet at recovery well RW-5. Free-phase product thickness measurements are included on Table 1.

Groundwater Treatment (2nd Round)

The remediation approach implemented in the source area surficial aquifer was ISCO utilizing direct contact with a solution of water and RegenOx®. Thirty (30) temporary injection wells were utilized to introduce the sodium percarbonate and water solution into the underground environment. The treatment area was reduced by 19 points by eliminating points that extended outside the source area as determined during the interim source area limited groundwater sampling performed in August 2025. The vertical injection interval extended from approximately 20 feet bgs to 35 feet bgs. Approximately 6,880 pounds of RegenOx® was mixed with approximately 10,000 gallons of water as recommended by Regenesis to meet the stochiometric demands of the ISCO approach for this round.

The temporary injection wells were installed using a Geoprobe 7822DT drill rig with 1.5-inch diameter probe rods and a five-foot injection rod utilized in a bottom-up injection fashion.

Each injection well borehole was properly abandoned using pressure-injected neat cement grout immediately upon completion.

A water well record form and field sheets for the temporary injection wells are included in the appendix.

Waste Materials

Sodium percarbonate bags and activator pails were emptied of all contents and placed in heavy duty contractor trash bags daily for disposal at a landfill suitable for the waste.

CONCLUSIONS AND RECOMMENDATIONS

Injection services were performed as outlined in the Corrective Action Plan submitted for the site and approved by SCDES with the exception of reducing the injection event from forty-nine (49) to thirty (30) injection points as detailed in the Groundwater Treatment (2nd Round) section above. The number of injection wells and volume of injectate applied was reduced to focus ISCO energies into the areas that most required treatment based on the limited source area groundwater sampling results obtained in August 2025. Also, the original injection maximum target depth (42 feet bgs) proposed in the CAP could not be obtained at any injection point because of direct-push probe refusal and injection tool breakage. Maximum depths and solution dosing were adjusted in the field to accommodate for probe refusal at approximately 35 feet bgs instead of the planned 42 feet bgs. At a limited number of points, product surfacing (also known as daylighting) of injectate occurred during the injection at points located within close proximity to the UST basin and existing wells. Injection flow rates were adjusted downward during injection into these areas to minimize daylighting. Based on additional review of historical assessment data and the robust approach to groundwater remediation at this site, the actual vertical limit reached versus the planned vertical limit should not affect the projected outcome of these corrective action events.

It is recommended that the AFVR activities as detailed in the CAP be performed as scheduled to remove free-phase product and highly contaminated groundwater from the subsurface of the site.

FIGURES

Reference: USGS 7.5-Minute series Greenville Quadrangle - 2011; Contour Interval = 10 feet

500 250 0 500

APPROXIMATE SCALE IN FEET

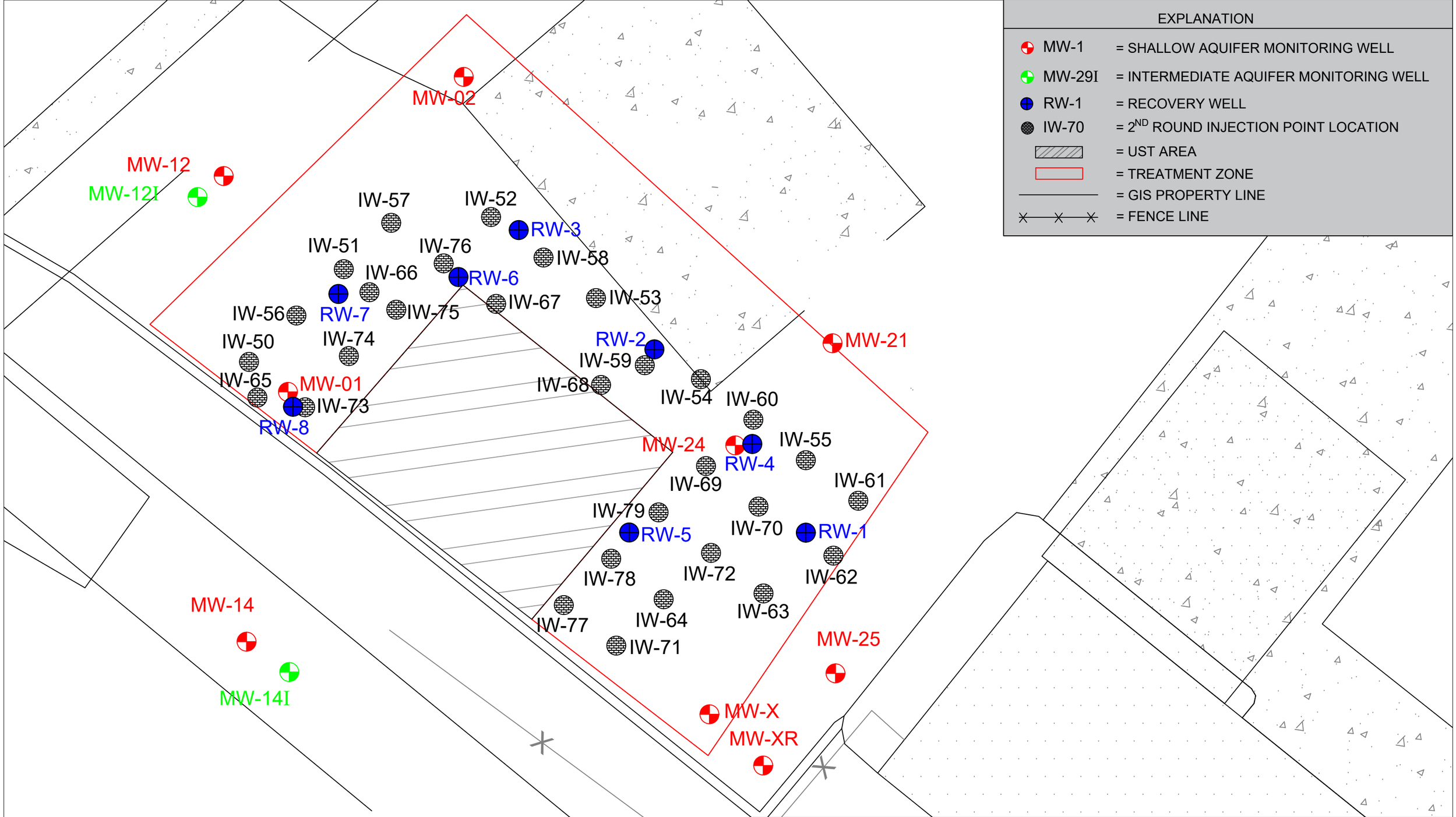
SITE

Private Water Supply Well

Title	Site Location Map
Project	Westside Quick Stop (UST Permit #12430) 821 W. Parker Road Greenville, South Carolina Greenville County
Date	11/26/21
Job No.	J21-977b

petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS

Figure No. 1



DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	09/05/2025	BD	TFD	AS SHOWN	3570	2

ENVIROSOUTH Environmental Consultants

INJECTION LOCATIONS - 2ND ROUND

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

TABLE

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-01	01/13/2020 (Pre-AFVR)	1005.32	30.00	15.00 - 30.00	21.59	21.15	0.44	983.40
	8/19/2020				20.10	Sheen	Sheen	985.22
	9/15/2021				25.24	25.21	0.03	980.06
	12/14/2022				27.79	25.44	2.35	975.77
	09/11/2023 (Pre-AFVR)				26.34	24.79	1.55	977.82
	10/16/2023 (Pre-AFVR)				24.94	24.65	0.29	980.16
	11/13/2023				25.51	25.37	0.14	979.71
	5/8/2025				22.30	21.28	1.02	982.26
	8/1/2025				23.15	23.10	0.05	982.13
MW-02	8/19/2020	1006.20	30.00	15.00 - 30.00	20.96	--	--	985.24
	9/16/2021				26.08	--	--	980.12
	12/14/2022				26.34	--	--	979.86
	11/13/2023				26.27	--	--	979.93
	5/8/2025				22.45	--	--	983.75
MW-03	8/19/2020	1008.49	30.00	15.00 - 30.00	22.69	--	--	985.80
	9/15/2021				28.10	--	--	980.39
	12/14/2022				28.90	--	--	979.59
	11/13/2023				28.19	--	--	980.30
	5/7/2025				24.78	--	--	983.71
MW-04	8/19/2020	1008.27	30.49	20.29 - 30.29	22.24	--	--	986.03
	9/16/2021				27.59	--	--	980.68
	12/14/2022				28.35	--	--	979.92
	11/13/2023				27.76	--	--	980.51
	5/8/2025				24.36	--	--	983.91
MW-04I	8/19/2020	1008.12	53.17	47.97 - 52.97	22.73	--	--	985.39
	9/16/2021				27.97	--	--	980.15
	12/14/2022				28.25	--	--	979.87
	11/13/2023				28.09	--	--	980.03
	5/8/2025				24.38	--	--	983.74
MW-05	8/19/2020	997.73	20.80	10.60 - 20.60	13.33	--	--	984.40
	9/15/2021				18.13	--	--	979.60
	12/14/2022				17.74	--	--	979.99
	11/13/2023	DESTROYED						
MW-06	8/19/2020	998.27	21.47	11.27 - 21.27	13.17	--	--	82.93
	9/15/2021				18.05	--	--	85.12
	12/14/2022				17.97	--	--	80.24
	11/13/2023				18.00	--	--	980.27
	5/8/2025	NOT LOCATED						

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GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-07	8/19/2020	1005.88	31.04	20.84 - 30.84	20.36	--	--	985.52
	9/15/2021				25.36	--	--	980.52
	12/14/2022	Well Obstructed @ 26.04 Feet						
	11/13/2023	Well Obstructed @ 26.04 Feet						
	5/7/2025				21.50	--	--	984.38
MW-08	8/19/2020	1007.43	31.10	20.90 - 30.90	22.13	--	--	985.30
	9/15/2021				27.25	--	--	980.18
	12/14/2022				27.51	--	--	979.92
	11/13/2023				27.40	--	--	980.03
	5/7/2025				23.55	--	--	983.88
MW-09	8/19/2020	1008.55	30.04	19.84 - 29.84	22.03	--	--	986.52
	9/15/2021				27.43	--	--	981.12
	12/14/2022				28.18	--	--	980.37
	11/13/2023				27.15	--	--	981.40
	5/7/2025				24.13	--	--	984.42
MW-10	8/19/2020	1008.22	30.83	20.63 - 30.63	19.66	--	--	988.56
	9/15/2021				26.10	--	--	982.12
	12/14/2022				28.17	--	--	980.05
	11/13/2023				25.88	--	--	982.34
	5/7/2025				23.93	--	--	984.29
MW-11	8/19/2020	1007.84	30.83	20.63 - 30.63	20.34	--	--	987.50
	9/15/2021				26.32	--	--	981.52
	12/14/2022				28.15	--	--	979.69
	11/13/2023				26.23	--	--	981.61
	5/7/2025				23.75	--	--	984.09
MW-12	8/19/2020	1005.35	35.69	25.49 - 35.49	20.39	--	--	984.96
	9/16/2021				24.96	--	--	980.39
	12/14/2022				25.60	--	--	979.75
	11/13/2023				25.60	--	--	979.75
	5/8/2025				21.63	--	--	983.72
	8/1/2025				23.02	--	--	982.33
MW-12I	8/19/2020	1005.37	45.63	40.43 - 45.43	20.25	--	--	985.12
	9/16/2021				25.47	--	--	979.90
	12/14/2022				25.78	--	--	979.59
	11/13/2023				25.80	--	--	979.57
	5/8/2025				21.67	--	--	983.70
MW-14	8/19/2020	1000.02	25.57	15.37 - 25.37	15.06	--	--	984.96
	9/15/2021				20.13	--	--	979.89
	12/14/2022				20.15	--	--	979.87

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GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-14	11/13/2023				20.21	--	--	979.81
Continued	5/7/2025				16.31	--	--	983.71
	8/1/2025				17.95	--	--	982.07
MW-14I	8/19/2020	1000.11	67.92	62.72 - 67.72	15.39	--	--	984.72
	9/15/2021				20.35	--	--	979.76
	12/14/2022				20.41	--	--	979.70
	11/13/2023				20.44	--	--	979.67
	5/7/2025				16.51	--	--	983.60
MW-15	8/19/2020	999.88	26.83	16.63 - 26.63	15.37	--	--	984.51
	9/15/2021				20.24	--	--	979.64
	12/14/2022				20.26	--	--	979.62
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.						
	5/7/2025	NOT LOCATED						
MW-15I	8/19/2020	999.88	26.8	16.63 - 26.63	15.37	--	--	984.51
	9/15/2021				20.28	--	--	979.60
	12/14/2022				20.16	--	--	979.72
	11/13/2023	NOT ACCESSIBLE. TRAILER PARKED ABOVE WELL.						
	5/7/2025	NOT LOCATED						
MW-16	8/19/2020	1000.63	27.71	17.51 - 27.52	16.04	--	--	984.59
	9/15/2021				21.08	--	--	979.55
	12/14/2022				21.13	--	--	979.50
	11/13/2023				21.23	--	--	979.40
	5/7/2025	WELL DESTROYED						
MW-16I	8/19/2020	1000.72	65.49	60.29 - 65.29	16.23	--	--	984.49
	9/15/2021				21.16	--	--	979.56
	12/14/2022				21.07	--	--	979.65
	11/13/2023				21.28	--	--	979.44
	5/7/2025				17.21	--	--	983.51
MW-17	8/19/2020	999.85	28.82	18.62 - 28.62	16.26	--	--	983.59
	9/15/2021				20.20	--	--	979.65
	12/14/2022				21.22	--	--	978.63
	11/13/2023				20.65	--	--	979.20
	5/7/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS						
MW-17I	8/19/2020	1000.01	60.41	55.21 - 60.21	15.74	--	--	80.48
	9/15/2021				20.65	--	--	83.21
	12/14/2022				21.68	--	--	78.31
	11/13/2023				20.63	--	--	979.38
	5/7/2025	WELL OBSTRUCTED BY CONSTRUCTION DEBRIS						
MW-18	5/7/2025	1002.78	29.30	19.10 - 29.10	WELL HAS NOT BEEN LOCATED SINCE 2019			
MW-18I	5/7/2025	1001.89	65.47	60.27 - 65.27	WELL HAS NOT BEEN LOCATED SINCE 2019			

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821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-19	8/19/2020	1008.24	39.69	29.49 - 39.49	23.43	--	--	984.81
	9/15/2021				28.45	--	--	979.79
	12/14/2022				28.33	--	--	979.91
	11/13/2023				28.21	--	--	980.03
	11/20/2023	ABANDONED						
MW-19I	8/19/2020	1008.18	70.68	65.48 - 70.48	23.26	--	--	984.92
	9/15/2021				28.48	--	--	979.70
	12/14/2022				28.47	--	--	979.71
	11/13/2023				28.61	--	--	979.57
	11/20/2023	ABANDONED						
MW-20	8/19/2020	1008.01	40.87	30.67 - 40.67	23.22	--	--	984.79
	9/15/2021				27.67	--	--	980.34
	12/14/2022				28.28	--	--	979.73
	11/13/2023				28.04	--	--	979.97
	5/8/2025				24.45	--	--	983.56
MW-21	8/19/2020	1006.73	35.14	24.94 - 34.94	21.64	--	--	985.09
	9/16/2021				26.71	--	--	980.02
	12/14/2022				26.94	26.91	0.03	979.77
	09/18/2023 (Pre AFVR)				25.24	25.16	0.08	981.43
	10/23/2023 (Pre AFVR)				26.21	26.19	0.02	980.51
	11/13/2023				26.90	--	--	979.83
	5/8/2025				23.05	--	--	983.68
MW-22	8/19/2020	1007.12	35.06	24.86 - 34.86	21.65	--	--	985.47
	9/16/2021				26.82	--	--	980.30
	12/14/2022				27.23	--	--	979.89
	11/13/2023				27.00	--	--	980.12
	5/8/2025				23.29	--	--	983.83
MW-22I	8/19/2020	1007.03	49.72	44.52 - 49.52	22.02	--	--	985.01
	9/16/2021				27.06	--	--	979.97
	12/14/2022				27.17	--	--	979.86
	11/13/2023				27.20	--	--	979.83
	5/8/2025				23.35	--	--	983.68
MW-23	8/19/2020	1008.24	39.87	29.67 - 39.67	23.16	--	--	985.08
	9/15/2021				28.27	--	--	979.97
	12/14/2022				28.52	--	--	979.72
	11/13/2023				28.40	--	--	979.84
	11/20/2023	ABANDONED						

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GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-23I	8/19/2020	1008.21	61.69	56.49 - 61.49	23.40	--	--	984.81
	9/15/2021				28.41	--	--	979.80
	12/14/2022				28.41	--	--	979.80
	11/13/2023				28.32	--	--	979.89
	11/20/2023	ABANDONED						
MW-24	01/13/2020 (Pre-AFVR)	1006.39	35.25	25.05 - 35.05	23.95	23.14	0.81	981.83
	8/19/2020				21.28	Sheen	Sheen	985.11
	02/08/2021 (Pre-AFVR)				20.74	--	--	985.65
	03/22/2021 (Pre-AFVR)				20.04	--	--	986.35
	9/16/2021				26.40	--	--	979.99
	02/28/2022 (Pre-AFVR)				23.21	22.95	0.26	982.99
	03/28/2022 (Pre-AFVR)				21.98	21.95	0.03	984.39
	12/14/2022				27.51	26.39	1.12	978.04
	09/18/2023 (Pre-AFVR)				27.21	26.82	0.39	978.89
	10/23/2023 (Pre-AFVR)				26.41	26.31	0.10	979.91
	11/13/2023				27.24	26.10	1.14	978.30
	5/8/2025				23.65	22.38	1.27	981.79
	8/1/2025				24.60	--	--	981.79
MW-25	8/19/2020	1007.27	38.20	28.00 - 38.00	22.45	--	--	984.82
	9/16/2021				27.47	--	--	979.80
	12/14/2022				27.68	--	--	979.59
	11/13/2023				28.17	--	--	979.10
	5/8/2025				23.66	--	--	983.61
MW-26	8/19/2020	1007.33	36.45	26.25 - 36.25	21.78	--	--	985.55
	9/16/2021				26.98	--	--	980.35
	12/14/2022				27.40	--	--	979.93
	11/13/2023				27.15	--	--	980.18
	5/8/2025				23.51	--	--	983.82
MW-26I	8/19/2020	1007.27	55.11	49.91 - 54.91	21.89	--	--	985.38
	9/16/2021				27.11	--	--	980.16
	12/14/2022				27.42	--	--	979.85
	11/13/2023				27.15	--	--	980.12
	5/8/2025				23.60	--	--	983.67
MW-27	8/19/2020	1006.96	34.70	24.50 - 34.50	21.43	--	--	985.53
	9/15/2021				27.19	--	--	979.77

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GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
MW-27 Continued	12/14/2022				27.44	--	--	979.52
	11/13/2023				26.80	--	--	980.16
	5//7/25				23.35	--	--	983.61
MW-27I	8/19/2020	1007.08	65.41	60.21 - 65.21	21.96	--	--	985.12
	9/15/2021	NOT LOCATED						
	12/14/2022				27.44	--	--	979.64
	11/13/2023				27.25	--	--	979.83
	5/7/2025				23.41	--	--	983.67
MW-28	8/19/2020	1006.76	35.91	35.71 - 35.71	21.36	--	--	985.40
	9/15/2021				26.40	--	--	980.36
	12/14/2022				26.61	--	--	980.15
	11/13/2023				26.58	--	--	980.18
	5/7/2025				22.66	--	--	984.10
MW-X	8/19/2020	1007.20	30.27	20.07 - 30.07	22.26	--	--	984.94
	9/16/2021				27.31	--	--	979.89
	12/14/2022				28.05	--	--	979.15
	11/13/2023				27.70	--	--	979.50
	5/8/2025				23.52	--	--	983.68
MW-XR	8/19/2020	1007.31	38.25	28.05 - 38.05	22.45	--	--	984.86
	9/16/2021				27.50	--	--	979.81
	12/14/2022				27.63	--	--	979.68
	11/13/2023				28.14	--	--	979.17
	5/8/2025				23.62	--	--	983.69
RW-01	01/13/2020 (Pre-AFVR)	1006.69	40.69	20.49 - 40.49	24.64	22.45	2.19	980.41
	8/19/2020				21.66	Sheen	Sheen	985.03
	02/08/2021 (Pre-AFVR)				21.13	--	--	985.56
	03/22/2021 (Pre-AFVR)				19.63	--	--	987.06
	9/16/2021				26.71	Sheen	Sheen	979.98
	02/28/2022 (Pre-AFVR)				23.38	23.13	0.25	983.12
	03/28/2022 (Pre-AFVR)				22.38	22.32	0.06	984.27
	12/14/2022				26.85	26.79	0.06	979.80
	09/18/2023 (Pre-AFVR)				25.39	25.37	0.02	981.29
	10/23/2023 (Pre-AFVR)				26.37	26.36	0.01	980.31

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GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
RW-1 Continued	11/13/2023				26.90	26.84	0.06	979.75
	5/8/2025				23.44	22.88	0.56	982.83
	8/1/2025				24.65	--	--	982.04
RW-02	8/19/2020	1006.23	38.08	17.88 - 37.88	21.33	21.18	0.15	984.79
	02/08/2021 (Pre-AFVR)				21.13	20.68	0.45	984.76
	03/22/2021 (Pre-AFVR)				20.04	--	--	986.19
	9/16/2021				26.30	--	--	979.93
	02/28/2022 (Pre-AFVR)				23.94	23.91	0.03	982.27
	03/28/2022 (Pre-AFVR)				21.90	21.89	0.01	984.32
	12/14/2022				26.96	26.31	0.65	978.78
	09/11/2023 (Pre-AFVR)				25.87	25.27	0.60	979.91
	10/16/2023 (Pre-AFVR)				25.68	25.53	0.15	980.44
	11/13/2023				26.65	26.45	0.20	979.43
	5/8/2025				23.55	22.33	1.22	981.77
	8/1/2025				24.22	--	--	982.01
RW-03	8/19/2020	1005.90	40.00	40.0 - 45.0	20.79	--	--	985.11
	9/16/2021				25.91	--	--	979.99
	12/14/2022				27.19	26.12	1.07	977.91
	09/11/2023 (Pre-AFVR)				24.84	23.94	0.90	980.39
	10/16/2023 (Pre-AFVR)				25.23	25.10	0.13	980.57
	11/13/2023				26.07	--	--	979.83
	5/18/2025				NR	--	--	NR
	8/1/2025				23.80	--	--	982.10
RW-04	5/18/2025	1006.72	42.00	22.00 - 42.00	NR	--	--	NR
	8/1/2025				24.62	24.61	0.01	982.09
RW-05	5/18/2025	1006.41	42.00	22.00 - 42.00	22.72	22.66	0.06	983.65
	8/1/2025				25.02	24.06	0.96	980.67
RW-06	5/18/2025	1005.69	42.00	22.00 - 42.00	NR	--	--	NR
	8/1/2025				23.55	--	--	982.14
RW-07	5/18/2025	1005.58	42.00	22.00 - 42.00	21.81	21.78	0.03	983.77
	8/1/2025				23.70	--	--	981.88

TABLE 1

GROUNDWATER ELEVATION DATA

WESTSIDE QUICK STOP
821 WEST PARKER ROAD
GREENVILLE, SOUTH CAROLINA

SCDES UST ID # 12430
ENVIROSOUTH JOB NO. 3570

WELL NUMBER	DATE MEASURED	TOP OF CASING ELEVATION	TOTAL DEPTH	SCREENED INTERVAL (btoc)	DEPTH TO GROUNDWATER (btoc)	DEPTH TO PRODUCT (btoc)	PRODUCT THICKNESS	GROUNDWATER ELEVATION (btoc)
RW-08	5/18/2025	1005.33	42.00	22.00 - 42.00	NR	--	--	NR
	8/1/2025				NR	--	--	NR

Notes:

1) *All units expressed in feet*
2) *Top of casing elevations, data prior to 2025, well depths, and screen intervals obtained from December 2023 Report of AFVR & Groundwater Sampling*
3) *2025 data collected and reported by EnviroSouth, Inc. personnel.*
4) *BTOC = below top of PVC well casing*
5) *NR = Not Recorded*
6) *Water elevations corrected for wells containing free-phase product using the following formula: GW Elevation = TOC Elevation - [depth to water + (free product thickness * 0.75)] where gasoline has an assumed specific gravity of 0.75 g/cm^3,*

EnviroSouth Environmental Consultants

INJECTION FIELD SHEETS

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-50

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/18	1145	30-35	3786			60	WHL
	1215	25-30	3866			60	
	1330	20-25	3946			60	
		final	4120				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ____ of ____

Client:

Job Number: 3570

Site: westside

Well Number: IW-51

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/18	1145	30-35	3276			60	WHL
	1215	25-30	3356			60	
	1330	20-25	3436			60	
			final 3606				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-52

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/18	1430	30-35	4120			60	WHL
	1515	25-30	4200			60	
	1700	20-25	4280			60	
		Final	4460				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-53

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/18	1430	30-35	3606			66	WHL
	1515	25-30	3686			60	
	1700	20-25	3766			60	
		Final	3940				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-54

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/19	915	30-35	4470			60	WHL
	1000	25-30	4550			60	
	1150	20-25	4630			60	
			final 4800				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW- 55

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/19	915	30-35	3950			60	WHL
	1010	25-30	4030			60	
	1200	20-25	4110			60	
		final	4293				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-56

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/19	1300	30-35	4800			60	WHL
	1350	25-30	4880			60	
	1550	20-25	4960			60	
			Final 4972				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-57

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/19	1300	30-35	4293			60	WHL
	1346	25-30	4373			60	
	1546	20-25	4453			60	
		final	4630				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-58

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/20	830	30-35	4972			60	WHL
	900	25-30	5052			60	
	1100	20-25	5132			60	
			final 5310				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ____ of ____

Client:

Job Number: 3570

Site: Westside

Well Number: IW-59

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/20	830	30-35	4630			60	WHL
	900	25-30	4710			60	
	1100	20-25	4790			60	
		final	4970				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-60

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/20	1215	30-35	5310			60	WHL
	1255	25-30	5390			60	
	1330	20-25	5470			60	
		final	5650				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-61

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/20	1215	30-35	4970			60	WHL
	1250	25-30	5050			60	
	1325	20-25	5130			60	
		final	5306				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: westside
Well Number: IW-62

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/21	830	30-35	5650			60	WHL
	915	25-30	5730			60	
	1115	20-25	5810			60	
		final	5990				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-63

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/21	830	30-35	5306			60	WHL
	910	25-30	5386			60	
	1110	20-25	5466			60	
		final	5640				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-64

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/22	830	30-35	5990			60	WHL
	915	25-30	6070			60	
	1115	20-25	6150			60	
		final	6330				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-65

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/22	830	30-35	5640			60	WHL
	920	25-30	5720			60	
	1120	20-25	5800			60	
		final	5980				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-66

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/22		30-35	6330			60	WHL
		25-30	6410			60	
		20-25	6490			60	
			6670				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-67

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/22		30-35	5980			60	WHL
		25-30	6060			60	
		20-25	6140			60	
		final	6320				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-68

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/25	830	30-35	6670			66	WHL
	915	25-30	6750			66	
	1120	20-25	6830			60	
		final	7010				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-69

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/25	830	30-35	6320			60	WHL
	910	25-30	6400			60	
	1110	20-25	6480			60	
		Final	6660				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-70

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/25	1300	30-35	7010			60	WHL
	1345	25-30	7090			60	
	1550	20-25	7170			60	
		final	7340				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-71

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/25	1300	30-35	6660			60	WHL
	1350	25-30	6740			60	
	1545	20-25	6820			60	
		final	6995				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-72

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/26	830	30-35	7350			60	WHL
	930	25-30	7430			60	
	1130	20-25	7510			60	
		Final	7680				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-73

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/26	830	30-35	7005			60	WHL
	936	25-30	7085			60	
	1140	20-25	7165			60	
		final	7335				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:
Job Number: 3570
Site: Westside
Well Number: IW-74

Total Well Depth: 35 ft
Well Diameter: 1.5 in
Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/26	1300	30-35	7680			60	WHL
	1355	25-30	7760			60	
	1550	20-25	7840			60	
		Final	8020				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-75

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/26	1300	30-35	7335			60	WHL
	1345	25-30	7415			60	
	1555	20-25	7495			60	
		final	7675				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: westside

Well Number: IW-76

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/22	830	30-35	8030			60	WHL
	930	25-30	8110			60	
	1130	20-25	8190			60	
		final	8365				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-77

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/27	830	30-35	7685			60	WHL
	935	25-30	7765			60	
	1140	20-25	7845			60	
		final	8030				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-78

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/27	1300	30-35	8365			60	WHL
	1355	25-30	8445			60	
	1550	20-25	8525			60	
		final	8705				

COMMENTS:

GROUNDWATER INJECTION LOG

Page ___ of ___

Client:

Job Number: 3570

Site: Westside

Well Number: IW-79

Total Well Depth: 35 ft

Well Diameter: 1.5 in

Water Level @ MW 24 24.60 ft

DATE	TIME	Interval (Feet)	FLOW METER READING (GALLONS)		NOTES	INJECTION PRESSURE (PSI)	LOGGED BY
			ACTUAL	TARGET			
8/27	1300	30-35	8030			60	WHL
	1350	25-30	8110			60	
	1555	20-25	8190			60	
		final	8380				

COMMENTS:

WATER WELL RECORD FORM

Water Well Record
Bureau of Water
2600 Bull Street, Columbia, SC 29201-1708; (803) 898-4300

1. WELL OWNER INFORMATION:
Name: Shree Gajvakra LLC (last) (first)
Address: 205 Fairway Dr
City: Laurens State: SC Zip:
Telephone: Work: Home:

2. LOCATION OF WELL: **COUNTY:** Greenville
Name: Westside Quick Stop
Street Address: 821 W Parker Rd
City: Greenville Zip:
Latitude: Longitude:

3. PUBLIC SYSTEM NAME: UST **PUBLIC SYSTEM NUMBER:** 12430

4. ABANDONMENT: ☑ Yes ☐ No
Give Details Below
Grouted Depth: from 0 ft. to 35 ft.

Formation Description	*Thickness of Stratum	Depth to Bottom of Stratum
IW-50 through IW-79		
*Indicate Water Bearing Zones (Use a 2nd sheet if needed)		

5. REMARKS:
Injection Wells

6. TYPE: ☐ Mud Rotary ☐ Jetted ☐ Bored ☐ Dug ☐ Air Rotary ☑ Driven ☐ Cable tool ☐ Other

7. PERMIT NUMBER: UMW-30143

8. USE:
☐ Residential ☐ Public Supply ☐ Process
☐ Irrigation ☐ Air Conditioning ☐ Emergency
☑ Test Well ☐ Monitor Well ☐ Replacement

9. WELL DEPTH (completed) Date Started: 8/18/25
35 ft. Date Completed: 8/27/25

10. CASING: ☐ Threaded ☐ Welded
Diam.: _____
Type: ☐ PVC ☐ Galvanized ☐ Steel ☐ Other
_____ in. to _____ ft. depth
_____ in. to _____ ft. depth
Height: Above/Below
Surface _____ ft.
Weight _____ lb./ft.
Drive Shoe? ☐ Yes ☑ No

11. SCREEN:
Type: _____ Diam.: _____
Slot/Gauge: _____ Length: _____
Set Between: _____ ft. and _____ ft.
_____ ft. and _____ ft.
NOTE: MULTIPLE SCREENS USE SECOND SHEET
Sieve Analysis ☐ Yes (please enclose) ☑ No

12. STATIC WATER LEVEL _____ ft. below land surface after 24 hours

13. PUMPING LEVEL Below Land Surface.
_____ ft. after _____ hrs. Pumping _____ G.P.M.
Pumping Test: ☐ Yes (please enclose) ☑ No
Yield: _____

14. WATER QUALITY
Chemical Analysis ☐ Yes ☑ No Bacterial Analysis ☐ Yes ☑ No
Please enclose lab results.

15. ARTIFICIAL FILTER (filter pack) ☐ Yes ☐ No
Installed from _____ ft. to _____ ft.
Effective size _____ Uniformity Coefficient _____

16. WELL GROUTED? ☐ Yes ☐ No
☐ Neat Cement ☐ Bentonite ☐ Bentonite/Cement ☐ Other _____
Depth: From _____ ft. to _____ ft.

17. NEAREST SOURCE OF POSSIBLE CONTAMINATION: _____ ft._____ direction
Type _____
Well Disinfected ☐ Yes ☑ No Type: _____ Amount: _____

18. PUMP: Date installed: _____ Not installed ☑
Mfr. Name: _____ Model No.: _____
H.P._____ Volts_____ Length of drop pipe _____ ft. Capacity _____ gpm
TYPE: ☐ Submersible ☐ Jet (shallow) ☐ Turbine ☐ Jet (deep) ☐ Reciprocating ☐ Centrifugal

19. WELL DRILLER: William Walker **CERT. NO.:** 2042
Address: (Print) Level: A B ✓ C D (circle one)
PO Box 8446
Columbia, SC, 29202
Telephone No.: 803-331-7936 Fax No.:

20. WATER WELL DRILLER'S CERTIFICATION: This well was drilled under my direction and this report is true to the best of my knowledge and belief.

Signed: William Walker Digitally signed by William Walker DN: cn=William Walker, o=Walker, ou=Walker, email=wwenvironmental@gmail.com, c=US Date: 2025.09.03 15:47:10 -04'00' Date: 9/3/25
Well Driller

If D Level Driller, provide supervising driller's name:

COPY 1 MAIL TO SCDHEC, COPY 2 TO WELL OWNER, COPY 3 TO WELL DRILLER

CONTRACTOR CHECKLIST

#12430

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the "No" box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	✓		
2	Is UST Owner/Operator name, address, & phone number provided?	✓		
3	Is name, address, & phone number of current property owner provided?	✓		
4	Is the SCDHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	✓		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?	✓		
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			✓
7	Has the facility history been summarized?	✓		
8	Has the regional geology and hydrogeology been described?	✓		
9	Are the receptor survey results provided as required?			✓
10	Has current use of the site and adjacent land been described?	✓		
11	Has the site-specific geology and hydrogeology been described?	✓		
12	Has the primary soil type been described?			✓
13	Have field screening results been described?			✓
14	Has a description of the soil sample collection and preservation been detailed?			✓
15	Has the field screening methodology and procedure been detailed?			✓
16	Has the monitoring well installation and development dates been provided?			✓
17	Has the method of well development been detailed?			✓
18	Has justification been provided for the locations of the monitoring wells?			✓
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	✓		
20	Has the groundwater sampling methodology been detailed?			✓
21	Have the groundwater sampling dates and groundwater measurements been provided?			✓
22	Has the purging methodology been detailed?			✓
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			✓
24	If free-product is present, has the thickness been provided?	✓		
25	Does the report include a brief discussion of the assessment done and the results?	✓		
26	Does the report include a brief discussion of the aquifer evaluation and results?			✓
27	Does the report include a brief discussion of the fate & transport models used?			✓

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			✓
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			✓
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			✓
31	Have recommendations for further action been provided and explained?	✓		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			✓
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)	✓		
34	Has the current and historical laboratory data been provided in tabular format?			✓
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			✓
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			✓
37	Has the topographic map been provided with all required elements? (Figure 1)	✓		
38	Has the site base map been provided with all required elements? (Figure 2)	✓		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			✓
40	Has the site potentiometric map been provided? (Figure 5)			✓
41	Have the geologic cross-sections been provided? (Figure 6)			✓
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			✓
43	Has the site survey been provided and include all necessary elements? (Appendix A)			✓
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			✓
45	Is the laboratory performing the analyses properly certified?			✓
46	Has the tax map been included with all necessary elements? (Appendix C)			✓
47	Have the soil boring/field screening logs been provided? (Appendix D)			✓
48	Have the well completion logs, DHEC Form 2099, and DHEC Form 1903 been provided? (Appendix E)	✓		
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			✓
50	Have the disposal manifests been provided? (Appendix G)			✓
51	Has a copy of the local zoning regulations been provided? (Appendix H)			✓
52	Has all fate and transport modeling been provided? (Appendix I)			✓
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			✓
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	✓		

Document Receipt Information

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OCT 24 2025
UST DIVISION

Date Received _____

Permit Number 12430

Project Manager Adam Looper

Name of Contractor Enviro South

Description AFVR report

Docket Number 91T

Scanned _____

Verified _____

ENVIROSOUTH
Environmental Consultants

October 17, 2025

Mr. Adam Looper, P.G.
SCDES
Bureau of Land and Waste Management
Division of UST Management
2600 Bull Street
Columbia, South Carolina 29201

Re: Aggressive Fluid Vapor Recovery Report
Westside Quick Stop
821 W. Parker Road
Greenville, South Carolina
SCDES Site ID No. 12430
Cost Agreement #'s: 69805 (Release 1) and 69806 (Release 2)
EnviroSouth Job No. 3570

Dear Mr. Looper:

Please find attached our Aggressive Fluid Vapor Recovery (AFVR) Report for the above-mentioned facility.

If you have any questions concerning this report, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

cc: Mr. Ankur Patel, Shree Gajvakra LLC

Prepared for:

Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

Attention: Mr. Ankur Patel

AFVR REPORT

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID NO. 12430

Job No. 3570
Cost Agreement No. 69805 (Release 1)
Cost Agreement No. 69806 (Release 2)

Prepared by:

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605

UST Contractor No. 257

October 17, 2025

A report prepared for:

Mr. Ankur Patel
Shree Gajvakra, LLC
205 Fairway Drive
Laurens, South Carolina 29360

AFVR REPORT
WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

EnviroSouth Job No. 3570
SCDES UST Permit No. 12430
Cost Agreement No. 69805 (Release 1)
Cost Agreement No. 69806 (Release 2)

Prepared by:

William H. Lyons, P.G.
UST Coordinator and Senior Hydrogeologist
S.C. Registration No. 2705

Reviewed by:

Keigan K. Mennetti, P.E.
Environmental Engineer
S.C. License No. 40996

EnviroSouth, Inc.
3440 Augusta Road
Greenville, South Carolina 29605
864-236-9010

October 17, 2025

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SITE INFORMATION

Facility Name: Westside Quick Stop

Facility Address: 821 W. Parker Road, Greenville, South Carolina 29611

Facility Telephone Number: 864-271-9400

UST Permit Number: 12430

UST Owner Name: Shree Gajvakra LLC

UST Operator Name: 821 Shree Jay Ambe Inc.

Address: 205 Fairway Drive, Laurens, South Carolina 29360

Phone Number: 864-354-1729

Property Owner's Name: Shree Gajvakra LLC

Address: 205 Fairway Drive, Laurens, South Carolina 29360

Phone Number: 864-425-0363

Contractor: EnviroSouth, Inc. Cert. #: 257

Address: 3440 Augusta Road, Greenville, South Carolina 29605

Phone Number: 864-236-9010

AFVR Contractor: Emerald Inc.

Address: 2520 Tahoe Drive, Sumter, South Carolina 29151

Phone Number: 803-469-5454

INTRODUCTION AND BACKGROUND

The Westside Quick Stop facility is located in the city of Greenville, Greenville County, South Carolina at the location displayed on Figure 1. The site address is 821 W. Parker Road, Greenville, South Carolina. The facility is in a light commercial/residential corridor at the southern quadrant of the intersection of W. Parker Road and W. Blue Ridge Drive. The site is an active gasoline station that maintains four (4) regulated underground storage tanks (USTs) and associated piping and dispensers. The site has two (2) open and documented releases from the UST system. Release #1 was reported in June 2012 and Release #2 was reported in October 2012. These releases are the subject of the ongoing targeted scope corrective action at the site.

EnviroSouth, Inc. submitted a June 20, 2025 Baseline Groundwater Sampling and 1st Injection Report detailing the baseline groundwater sampling and the first round of three (3) planned injection activities; a July 17, 2025 Aggressive Fluid Vapor Recovery Report detailing the three

(3) 96-hour and one additional (1) 42-hour (extension of the second 96-hour event) following the 1st round of injection activities; an August 19, 2025 Interim Groundwater Sampling and AFVR Report documenting an additional 96-hour AFVR event and planned interim sampling; and a 2nd Injection Report detailing the second round of three (3) planned injection activities as specified in the Corrective Action Plan (CAP) for the Westside Quick Stop facility. The work was authorized by the South Carolina Department of Environmental Services (SCDES; formerly known as the SCDHEC) in a letter dated May 6, 2025 and the three (3) 96-hour AFVR event activities described below were the next step in the targeted scope corrective action for the site.

EnviroSouth, Inc. has now completed a total of seven (7) 96-hour and one additional (1) 42-hour (extension of the second 96-hour event) Aggressive Fluid Vapor Recovery (AFVR) events at the Westside Quick Stop site located in Greenville, South Carolina. The work was performed in accordance with the March 6, 2025 Corrective Action Plan Addendum prepared by EnviroSouth and the respective May 6, 2025 South Carolina Department of Environmental Services (SCDES) notice to proceed as well as a phone call conversation with Mr. Adam Looper discussing the additional 42-hour event. The site is an active convenience store and gasoline station located in a light commercial/residential area of Greenville, South Carolina. This report includes a description of the AFVR activities performed.

REGIONAL AND SITE HYDROGEOLOGY

The site is located in the Piedmont physiographic province of South Carolina which is characterized by crystalline bedrock overlain by varying thicknesses of soil referred to as saprolite. The saprolite is derived from the in-place chemical weathering of the bedrock. Saprolite retains much of the original structure of the parent rock. The remnant structures can have a significant effect on the groundwater flow rate and direction.

Groundwater recharge in the Piedmont is principally from precipitation. Average annual rainfall throughout the region is about 45 inches. Approximately 30 inches per year are lost as surface runoff or evapotranspiration, leaving about 15 inches of precipitation per year available for groundwater recharge. Generally, in the Piedmont, the shallow or water table aquifer is comprised of saprolite which acts as a collection reservoir, recharging the deeper bedrock system.

Based on the geologist logs of monitoring wells installed at the site during earlier assessments, the area of concern is underlain by saprolitic sandy silts and silty sands to depths greater than 40 feet below ground surface (bgs). Below this depth, the area is likely underlain by gneiss bedrock.

AGGRESSIVE FLUID VAPOR RECOVERY (AFVR EVENTS)

Three (3) 96-hour AFVR events were performed at the site from September 23 through October 1, 2025 and are detailed in the attached report provided by Emerald, Inc. These events were performed following the second round of three (3) planned injection events at the site (detailed in our September 5, 2025 2nd Injection Report previously submitted to the SCDES) as an enhanced AFVR approach.

The events were performed concurrently utilizing two (2) AFVR trailers. The first and second events occurred from September 23 through September 27, 2025 and utilized recovery wells RW-1, RW-4, and RW-5 and RW-6, RW-7 and RW-8 as the extraction wells.

Event 3 was conducted from September 27 through October 1, 2025 using recovery wells RW-4, RW-5, ,RW-7, and RW-8 as the extraction locations.

Approximately 40 equivalent gallons of hydrocarbons as vapor, 18 gallons of free-phase hydrocarbons and 20,490 gallons of contaminated water were recovered from the site during these events. The full details of the events are included in the AFVR report contained in the appendix.

CONCLUSIONS AND RECOMMENDATIONS

Based on the data from the AFVR report as detailed above, moderate recovery of free-phase petroleum products and hydrocarbon vapors was achieved during these 96-hour AFVR events following the second round of three (3) injection activities planned for the site.

It is recommended that the second round of interim groundwater sampling be postponed while

product thickness and locations are assessed.

Based on the results of the services provided and evaluated to date, enhanced AFVR activities appear to less effective than originally anticipated. The reasons for this are concluded to be:

- There is likely more product in the ground than originally estimated based on pre-CAP conditions;

- The product location is primarily distributed in soils located beneath the active UST basin, which is different than pre-CAP conditions, and;

- The recovery well locations along the perimeter of the tank basin and the fine-grained saprolite soils at the site including silty sands and sandy silts do not yield a sufficient radius of influence for product removal beneath the USTs.

Based on these unforeseen conditions, it is recommended that the approved corrective action plan and accompanying cost agreements be amended after some additional near-basin assessment including high resolution site characterization.

FIGURES

Reference: USGS 7.5-Minute series Greenville Quadrangle - 2011; Contour Interval = 10 feet

500 250 0 500

APPROXIMATE SCALE IN FEET

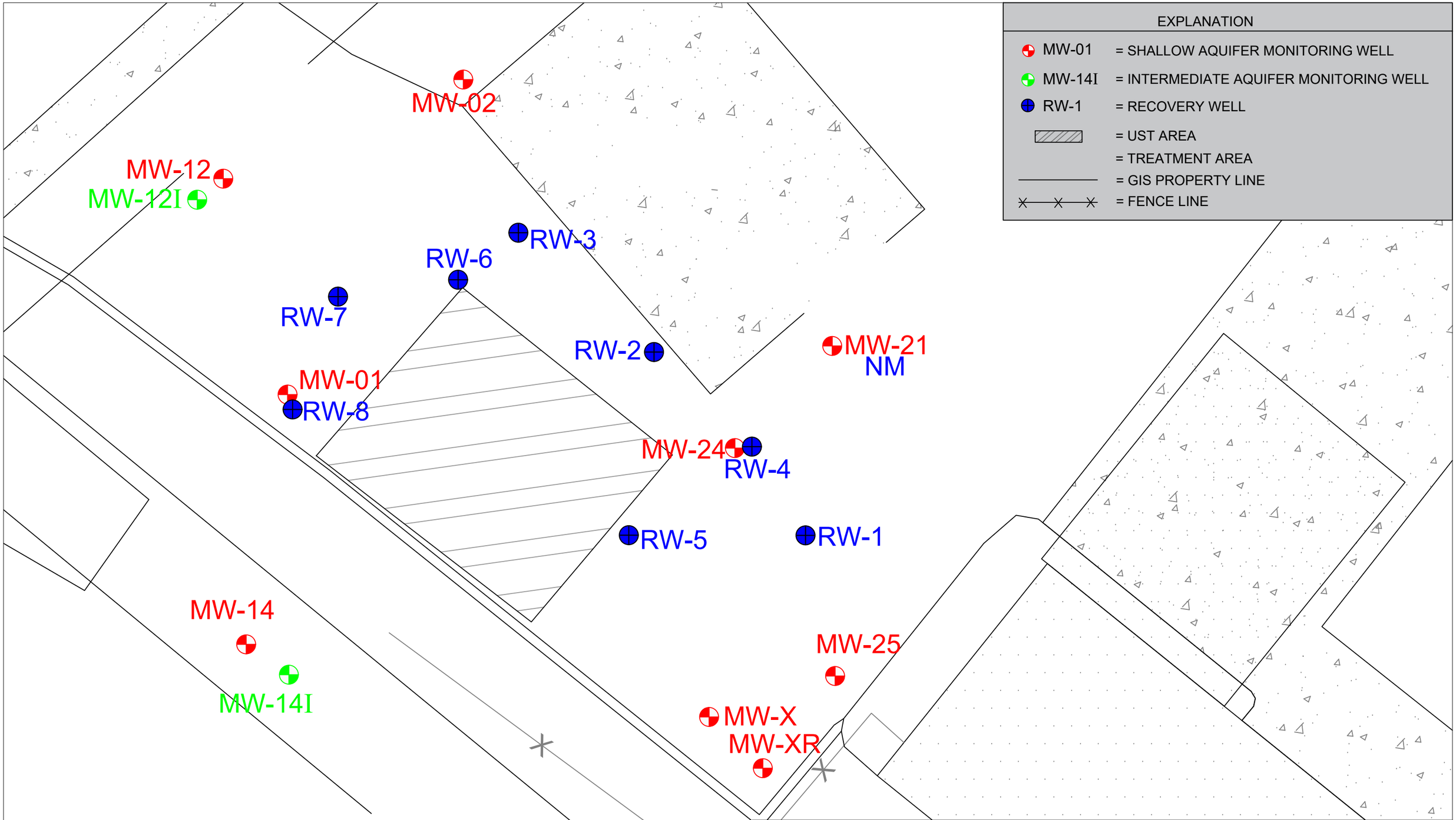
SITE

Private Water Supply Well

Title	Site Location Map
Project	Westside Quick Stop (UST Permit #12430) 821 W. Parker Road Greenville, South Carolina Greenville County
Date	11/26/21
Job No.	J21-977b

petra-tech ENVIRONMENTAL, LLC ENGINEERS & CONSULTANTS

Figure No. 1



DWG:	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	06/20/2025	BD	TFD	AS SHOWN	3570	2

ENVIROSOUTH Environmental Consultants

SITE MAP - ISOURCE AREA

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

Emerald, Inc.
CONSULTING AND ENGINEERING
SERVICES IN ENVIRONMENTAL AFFAIRS

2520 TAHOE DRIVE · POST OFFICE BOX 3050 · SUMTER, SOUTH CAROLINA 29151

WEBSITE:
www.emeraldinc-us.com

TELEPHONE (803) 469-5454
FAX (803) 469-5465

October 3, 2025

Thomas F. Donn, P.G., President
EnviroSouth, Inc.
3440 Augusta Road
Greenville, SC 29605

Aggressive Fluid Vapor Recovery Report
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
UST Permit # 12430

Mr. Donn,

Please find the attached Aggressive Fluid Vapor Recovery (AFVR) Report for the Westside Quick Stop site.

AGGRESSIVE FLUID VAPOR RECOVERY EVENTS

On September 23 through October 1, 2025, three 96-hour AFVR events were conducted at the site. Event 1 and 2 were conducted from September 23 through September 27 using RW-1, RW-4, and RW-5, and RW-6, RW-7, and RW-8 as extraction locations. Event 3 was conducted from September 27 through October 1 using RW-4, RW-5, RW-7, and RW-8 as the extraction locations. Monitoring well locations are presented on the attached site map provided by EnviroSouth, Inc. This AFVR event was conducted to remove free product released from the smear zone during prior injection events.

Prior to the event, free phase petroleum product was detected as shown on the table below:

Well ID	Product Thickness Before Event (Feet)	Product Thickness After Event (Feet)
RW-1	0.27	Not Detected
RW-4	0.02	Not Detected
RW-5	0.96	Not Detected
RW-8	1.65	Not Detected

Tables 1, 4, and 7 contains calculations for dry standard air flow recorded during the event. Table 2, 5, and 8 presents the off-gas concentrations (using a Photoionization Detector), post treatment off-gas concentrations, and pollutant removal rates. Tables 3, 6, and 9 presents the stinger depths, wellhead vacuum measurements, water levels measurements and magnehelic readings obtained during the event. Emerald, Inc. field personnel normally record data at thirty-minute intervals for the first eight hours of the event, then at one-hour intervals from hours nine through twenty-four and at two-hour intervals from hour twenty-four until the conclusion of the event. During the hours of approximately midnight to 8 AM, event monitoring was suspended. Off-gas was treated using a catalytic oxidizer or activated carbon drum throughout the event.

According to the calculations as presented on Tables 2, 5, and 8, a total of 104.14 pounds of carbon, 245.03 equivalent pounds (as vapor) of gasoline, and 39.83 equivalent gallons of gasoline were removed during this event. According to the meter, a total of 20,490 gallons of petroleum contaminated groundwater was transported to the City of Manning Wastewater Treatment Facility in Manning, SC for proper disposal. Approximately 17.8 gallons of free phase product was detected in the tanker prior to disposal. Copies of the disposal manifests for this event are included as attachments.

If you have any questions or concerns, please feel free to contact Emerald, Inc. at 803-469-5454.

Emerald, Inc.

Dan Alexander
Project Manager

William C. McClary, P.G.
President

Attachments

TABLE 1
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7A

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diameter (Inches)	Water Vapor (%)	Offgas Velocity (ft/min)	CFM (ft^3/min)	Qstd (ft3/min)
RW-1	9/23/25	9:00	Start	19	81.7	60.3	3.0	<0.1	936	150	146.21
RW-4		9:30	0.5	19	90.2	63.6	3.0	<0.1	1,117	150	143.95
RW-5		10:00	0.5	20	107.3	62.4	3.0	<0.1	1,135	150	139.61
		10:30	0.5	20	112.5	64.8	3.0	<0.1	1,222	150	138.34
		11:00	0.5	21	117.1	66.1	3.0	<0.1	1,177	150	137.24
		11:30	0.5	21	123.4	65.6	3.0	<0.1	1,293	150	135.76
		12:00	0.5	21	129.6	66.4	3.0	<0.1	1,330	150	134.33
		12:30	0.5	21	132.9	68.2	3.0	<0.1	1,272	150	133.58
		13:00	0.5	21	136.2	69.7	3.0	<0.1	1,244	150	132.84
		13:30	0.5	22	139.5	71.2	3.0	<0.1	1,331	150	132.11
		14:00	0.5	22	142.8	70.6	3.0	<0.1	1,296	150	131.39
		14:30	0.5	22	141.6	68.3	3.0	<0.1	1,181	150	131.65
		15:00	0.5	22	140.2	66.9	3.0	<0.1	1,203	150	131.96
		15:30	0.5	22	141.9	66.3	3.0	<0.1	1,147	150	131.58
		16:00	0.5	22	139.7	65.9	3.0	<0.1	1,202	150	132.07
		16:30	0.5	22	140.1	63.5	3.0	<0.1	1,130	150	131.98
		17:00	0.5	22	138.3	64.2	3.0	<0.1	1,217	150	132.38
		18:00	1.0	22	137.1	62.9	3.0	<0.1	1,284	150	132.64
		19:00	1.0	22	134.6	61.1	3.0	<0.1	1,331	150	133.20
		20:00	1.0	22	135.3	60.7	3.0	<0.1	1,307	150	133.04
		21:00	1.0	21	134.2	58.3	3.0	<0.1	1,255	150	133.29
		22:00	1.0	21	130.4	57.5	3.0	<0.1	1,247	150	134.15
		23:00	1.0	20	127.8	54.2	3.0	<0.1	1,188	150	134.74
	9/24/25	24:00	1.0	19	122.7	51.9	3.0	<0.1	1,242	150	135.92
		8:00	8.0	21	119.4	50.6	3.0	<0.1	1,189	150	136.69
		10:00	2.0	21	123.1	54.3	3.0	<0.1	1,219	150	135.83
		12:00	2.0	21	126.9	58.7	3.0	<0.1	1,310	150	134.95
		14:00	2.0	21	130.2	63.5	3.0	<0.1	1,249	150	134.19
		16:00	2.0	21	135.7	62.1	3.0	<0.1	1,218	150	132.95
		18:00	2.0	21	138.4	64.7	3.0	<0.1	1,193	150	132.35
		20:00	2.0	21	141.1	60.2	3.0	<0.1	1,207	150	131.76
		22:00	2.0	20	136.8	54.8	3.0	<0.1	1,310	150	132.71

TABLE 1 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7A

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diamter (Inches)	Water Vapor (%)	Offgas Velocity (CFM)	CFM (ft^3/min)	Qstd (f^{t3}/min)
RW-1	9/25/25	24:00	2.0	20	131.6	51.6	3.0	<0.1	1,247	150	133.87
RW-4		8:00	8.0	19	122.4	54.7	3.0	<0.1	1,113	150	135.99
RW-5		10:00	2.0	21	126.8	56.5	3.0	<0.1	1,224	150	134.97
		12:00	2.0	21	128.3	58.4	3.0	<0.1	1,183	150	134.63
		14:00	2.0	21	131.5	61.3	3.0	<0.1	1,303	150	133.90
		16:00	2.0	21	134.7	63.6	3.0	<0.1	1,281	150	133.18
		18:00	2.0	21	131.1	62.1	3.0	<0.1	1,134	150	133.99
		20:00	2.0	21	127.6	60.4	3.0	<0.1	1,093	150	134.79
		22:00	2.0	20	129.2	57.2	3.0	<0.1	1,216	150	134.42
	9/26/25	24:00	2.0	20	122.8	53.9	3.0	<0.1	1,321	150	135.90
		8:00	8.0	21	126.1	55.3	3.0	<0.1	1,247	150	135.13
		10:00	2.0	21	129.4	57.5	3.0	<0.1	1,183	150	134.37
		12:00	2.0	21	133.6	62.4	3.0	<0.1	1,092	150	133.42
		14:00	2.0	21	135.2	64.7	3.0	<0.1	1,149	150	133.06
		16:00	2.0	21	139.7	66.1	3.0	<0.1	1,213	150	132.07
		18:00	2.0	21	143.1	68.3	3.0	<0.1	1,331	150	131.32
		20:00	2.0	21	140.3	70.2	3.0	<0.1	1,243	150	131.93
		22:00	2.0	21	138.6	66.4	3.0	<0.1	1,191	150	132.31
	9/27/25	24:00	2.0	21	131.4	59.8	3.0	<0.1	1,217	150	133.92
		8:00	8.0	20	124.7	48.1	3.0	<0.1	1,186	150	135.45
		9:00	1.0	20	127.2	56.4	3.0	<0.1	1,213	150	134.88

Well Gauging Data			Before AFVR Event			After AFVR Event			Notes
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	
RW-1	4	20-40	25.32	25.59	0.27	---	27.87	---	
RW-4	4	22-42	25.32	25.34	0.02	---	28.59	---	
RW-5	4	22-42	24.83	25.79	0.96	---	34.44	---	

Product Thickness	
Product observed in Sight Tube?	No
Product detected in Tanker?	Yes

Weather Conditions		Emerald, Inc. Personnel
9/23/25	Mostly Sunny, 66-88°F	
9/24/25	Mostly Sunny, 67-90°F	S. Brown
9/25/25	Partly Cloudy, 68-85°F	VERCO
9/26/25	Partly Cloudy, 66-81°F	
9/27/25	Partly Cloudy, 62-79°F	

Equations

Qstd = Flow in Dry Standard Cubic Feet Per Minute
Pipe ID = Inside Diameter of discharge pipe
Relative Humidity = Relative humidity at discharge pipe
Water Vapor = Pounds of water per pound of dry air from psychrometric charts
CFM = Air Flow (ft/min) x ((daimeter (in)/24)2)
Temperature Constant = 528°F/(Measured temp +460)
Qstd Calculation = (1-water vapor) x velocity (ft/min) x Temp constant

TABLE 2
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7A

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-1	9/23/25	9:00	Start	1,034	105.4	146.2	4.0	4,136	34,366	2.1455E-05	0.188	0.440	---
RW-4		9:30	0.5	1,598	140.6	143.9	4.0	6,392	53,112	3.3158E-05	0.286	0.670	0.28
RW-5		10:00	0.5	2,177	189.3	139.6	4.0	8,708	72,356	4.5172E-05	0.378	0.885	0.39
		10:30	0.5	2,484	188.7	138.3	4.0	9,936	82,559	5.1542E-05	0.428	1.001	0.47
		11:00	0.5	2,736	218.8	137.2	4.0	10,944	90,935	5.6771E-05	0.467	1.093	0.52
		11:30	0.5	2,918	201.3	135.8	4.0	11,672	96,984	6.0547E-05	0.493	1.154	0.56
		12:00	0.5	3,271	212.6	134.3	4.0	13,084	108,716	6.7871E-05	0.547	1.280	0.61
		12:30	0.5	3,185	233.5	133.6	4.0	12,740	105,858	6.6087E-05	0.530	1.239	0.63
		13:00	0.5	2,972	225.7	132.8	4.0	11,888	98,778	6.1667E-05	0.492	1.150	0.60
		13:30	0.5	2,916	250.3	132.1	4.0	11,664	96,917	6.0505E-05	0.480	1.122	0.57
		14:00	0.5	2,843	204.1	131.4	4.0	11,372	94,491	5.8991E-05	0.465	1.088	0.55
		14:30	0.5	2,913	254.3	131.6	4.0	11,652	96,818	6.0443E-05	0.477	1.117	0.55
		15:00	0.5	2,968	222.6	132.0	4.0	11,872	98,646	6.1584E-05	0.488	1.141	0.56
		15:30	0.5	2,897	220.1	131.6	4.0	11,588	96,286	6.0111E-05	0.475	1.110	0.56
		16:00	0.5	2,836	212.5	132.1	4.0	11,344	94,258	5.8845E-05	0.466	1.091	0.55
		16:30	0.5	2,819	187.1	132.0	4.0	11,276	93,693	5.8493E-05	0.463	1.083	0.54
		17:00	0.5	2,872	195.0	132.4	4.0	11,488	95,455	5.9592E-05	0.473	1.107	0.55
		18:00	1.0	2,767	207.9	132.6	4.0	11,068	91,965	5.7414E-05	0.457	1.069	1.09
		19:00	1.0	2,741	232.2	133.2	4.0	10,964	91,101	5.6874E-05	0.455	1.063	1.07
		20:00	1.0	2,694	229.1	133.0	4.0	10,776	89,539	5.5899E-05	0.446	1.044	1.05
		21:00	1.0	2,708	224.6	133.3	4.0	10,832	90,004	5.6190E-05	0.449	1.051	1.05
		22:00	1.0	2,589	219.3	134.1	4.0	10,356	86,049	5.3720E-05	0.432	1.011	1.03
		23:00	1.0	2,643	210.4	134.7	4.0	10,572	87,844	5.4841E-05	0.443	1.037	1.02
	9/24/25	24:00	1.0	2,618	211.7	135.9	4.0	10,472	87,013	5.4322E-05	0.443	1.036	1.04
		8:00	8.0	2,672	223.4	136.7	4.0	10,688	88,808	5.5443E-05	0.455	1.064	8.40
		10:00	2.0	2,628	208.2	135.8	4.0	10,512	87,345	5.4530E-05	0.444	1.040	2.08
		12:00	2.0	2,710	216.9	134.9	4.0	10,840	90,071	5.6231E-05	0.455	1.065	2.10
		14:00	2.0	2,619	206.3	134.2	4.0	10,476	87,046	5.4343E-05	0.438	1.023	2.09
		16:00	2.0	2,513	213.6	133.0	4.0	10,052	83,523	5.2143E-05	0.416	0.973	2.00
		18:00	2.0	2,472	209.5	132.4	4.0	9,888	82,160	5.1293E-05	0.407	0.953	1.93
		20:00	2.0	2,429	213.7	131.8	4.0	9,716	80,731	5.0400E-05	0.398	0.932	1.88
		22:00	2.0	2,363	200.9	132.7	4.0	9,452	78,538	4.9031E-05	0.390	0.913	1.85

TABLE 2 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7A

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-1	9/25/25	24:00	2.0	2,219	197.2	133.9	4.0	8,876	73,751	4.604E-05	0.370	0.865	1.78
RW-4		8:00	8.0	2,341	217.3	136.0	4.0	9,364	77,806	4.857E-05	0.396	0.927	7.17
RW-5		10:00	2.0	2,163	173.8	135.0	4.0	8,652	71,890	4.488E-05	0.363	0.850	1.78
		12:00	2.0	2,029	178.5	134.6	4.0	8,116	67,437	4.210E-05	0.340	0.795	1.65
		14:00	2.0	2,134	180.4	133.9	4.0	8,536	70,926	4.428E-05	0.356	0.832	1.63
		16:00	2.0	2,068	173.1	133.2	4.0	8,272	68,733	4.291E-05	0.343	0.802	1.63
		18:00	2.0	2,093	184.8	134.0	4.0	8,372	69,564	4.343E-05	0.349	0.817	1.62
		20:00	2.0	1,944	171.7	134.8	4.0	7,776	64,611	4.034E-05	0.326	0.763	1.58
		22:00	2.0	2,116	183.9	134.4	4.0	8,464	70,328	4.391E-05	0.354	0.828	1.59
	9/26/25	24:00	2.0	1,893	180.6	135.9	4.0	7,572	62,916	3.928E-05	0.320	0.749	1.58
		8:00	8.0	1,807	178.8	135.1	4.0	7,228	60,058	3.749E-05	0.304	0.711	5.84
		10:00	2.0	1,758	156.4	134.4	4.0	7,032	58,430	3.648E-05	0.294	0.688	1.40
		12:00	2.0	1,691	145.2	133.4	4.0	6,764	56,203	3.509E-05	0.281	0.657	1.34
		14:00	2.0	1,736	140.1	133.1	4.0	6,944	57,698	3.602E-05	0.288	0.673	1.33
		16:00	2.0	1,654	152.7	132.1	4.0	6,616	54,973	3.432E-05	0.272	0.636	1.31
		18:00	2.0	1,581	134.8	131.3	4.0	6,324	52,547	3.280E-05	0.258	0.605	1.24
		20:00	2.0	1,607	153.2	131.9	4.0	6,428	53,411	3.334E-05	0.264	0.617	1.22
		22:00	2.0	1,529	132.6	132.3	4.0	6,116	50,818	3.173E-05	0.252	0.589	1.21
	9/27/25	24:00	2.0	1,719	140.4	133.9	4.0	6,876	57,133	3.567E-05	0.287	0.670	1.26
		8:00	8.0	2,012	163.1	135.5	4.0	8,048	66,872	4.175E-05	0.339	0.794	5.86
		9:00	1.0	1,733	136.5	134.9	4.0	6,932	57,599	3.596E-05	0.291	0.681	0.74

Recovery / Disposal Information

Pollutant removal as Carbon:	35.24	**Pounds**
Pollutant Removal as Vapor:	82.91	**Equivalent Pounds of Gasoline**
Pollutant Removal as Gasoline:	13.48	**Equivalent Gallons**
Total Liquids Removed:	6,860	**Gallons**
Total Liquid Product Removed:	6.2	**Gallons**
Disposal Facility:	City of Manning Wastewater Facility	

Notes

Equations

PMMc = PPM x K

Cgm = PPMc * (Mg/K_3)

Cc = Cg:m x 62.43E-9 lb-m^3/mg-ft^3

PMRc = Cc x Qstd x 60 min/hr

PMR = PMR x (Mg/Mcg)

Notes

↑ = Stinger raised ↓ = Stinger lowered

PMRc = lb/hr (pollutant mass removal rate)

PMRg = pollutant mass removal of gasoline

Notes

Offgas measured by photoionization detector (ppm)

K = number of carbons in calibration gas

PPMC=Offgas PPM x K, volumetric concentration as gasoline emission

CC:m = mg/dsm^3, mass of gasoline emission

Mg = 200mg/mg-mole (molecular weight of gasoline)

Mc = 12.01 mg/mg-mole (Molecular weight of carbon)

K_3 = 24.07dsm^3/1E6 mg-mole (mass to volume conversion factor at STP)

Cc = lb/dscf (mass concentration of VOC emissions as carbon, dry basis at STP)

TABLE 3
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7A

Date	Time (hh:mm)	Extraction Wells						Event Monitoring					
		RW-1		RW-4		RW-5		MW-1		MW-24		MW-25	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
9/23/25	9:00	30.0	19.0	30.0	20.0	30.0	21.0	Pre	25.43	Pre	25.38	Pre	26.09
	9:30	30.0	19.0	30.0	20.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	10:00	30.0	18.0	30.0	19.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	10:30	30.0	19.0	30.0	20.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	11:00	30.0	18.0	30.0	20.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	11:30	30.0	19.0	30.0	20.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	12:00	30.0	18.0	30.0	20.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	12:30	30.0	18.0	30.0	20.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	13:00	30.0	18.0	30.0	20.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	13:30	30.0	19.0	30.0	20.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	14:00	30.0	19.0	30.0	21.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	14:30	30.0	17.0	30.0	21.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	15:00	30.0	18.0	30.0	21.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	15:30	30.0	17.0	30.0	21.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	16:00	30.0	18.0	30.0	20.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	16:30	30.0	18.0	30.0	20.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	17:00	30.0	17.0	30.0	20.0	30.0	20.0	0.0	26.04	0.0	26.49	0.0	26.34
	18:00	30.0	17.0	30.0	21.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	19:00	30.0	17.0	30.0	21.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	20:00	30.0	18.0	30.0	21.0	30.0	20.0	0.0	---	0.0	---	0.0	---
	21:00	30.0	18.0	30.0	20.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	22:00	30.0	18.0	30.0	20.0	30.0	21.0	0.0	---	0.0	---	0.0	---
	23:00	30.0	18.0	30.0	20.0	30.0	21.0	0.0	---	0.0	---	0.0	---
9/24/25	24:00	30.0	17.0	30.0	21.0	30.0	21.0	0.0	26.11	0.0	26.81	0.0	26.39
	8:00	35.0	18.0	35.0	20.0	35.0	19.0	0.0	26.19	0.0	27.57	0.0	26.42
	10:00	35.0	16.0	35.0	19.0	35.0	18.0	0.0	---	0.0	---	0.0	---
	12:00	35.0	17.0	35.0	19.0	35.0	18.0	0.0	---	0.0	---	0.0	---
	14:00	35.0	16.0	35.0	18.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	16:00	35.0	17.0	35.0	19.0	35.0	17.0	0.0	26.26	0.0	27.64	0.0	26.51
	18:00	35.0	17.0	35.0	19.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	20:00	35.0	16.0	35.0	19.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	22:00	35.0	16.0	35.0	18.0	35.0	17.0	0.0	---	0.0	---	0.0	---

Notes:

TABLE 3 Cont'd.
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7A

Date	Time (hh:mm)	Extraction Wells						Event Monitoring					
		RW-1		RW-4		RW-5		MW-1		MW-24		MW-25	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
9/25/25	24:00	35.0	16.0	35.0	18.0	35.0	17.0	0.0	26.29	0.0	27.68	0.0	26.59
	8:00	35.0	17.0	35.0	18.0	35.0	16.0	0.0	26.38	0.0	27.73	0.0	26.62
	10:00	35.0	17.0	35.0	19.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	12:00	35.0	16.0	35.0	19.0	35.0	18.0	0.0	---	0.0	---	0.0	---
	14:00	35.0	16.0	35.0	18.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	16:00	35.0	17.0	35.0	18.0	35.0	16.0	0.0	26.47	0.0	27.79	0.0	26.66
	18:00	35.0	16.0	35.0	18.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	20:00	35.0	16.0	35.0	17.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	22:00	35.0	16.0	35.0	17.0	35.0	16.0	0.0	---	0.0	---	0.0	---
9/26/25	24:00	35.0	15.0	35.0	18.0	35.0	16.0	0.0	26.60	0.0	27.82	0.0	26.69
	8:00	35.0	16.0	35.0	18.0	35.0	17.0	0.0	26.76	0.0	27.89	0.0	26.72
	10:00	35.0	16.0	35.0	17.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	12:00	35.0	15.0	35.0	17.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	14:00	35.0	15.0	35.0	18.0	35.0	17.0	0.0	26.80	0.0	27.93	0.0	26.75
	16:00	35.0	15.0	35.0	18.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	18:00	35.0	15.0	35.0	19.0	35.0	17.0	0.0	---	0.0	---	0.0	---
	20:00	35.0	15.0	35.0	18.0	35.0	16.0	0.0	---	0.0	---	0.0	---
	22:00	35.0	15.0	35.0	18.0	35.0	16.0	0.0	---	0.0	---	0.0	---
9/27/25	24:00	35.0	15.0	35.0	19.0	35.0	16.0	0.0	26.89	0.0	27.98	0.0	26.70
	8:00	35.0	15.0	35.0	19.0	35.0	16.0	0.0	26.93	0.0	28.02	0.0	26.76
	9:00	35.0	14.0	35.0	17.0	35.0	14.0	0.0	---	0.0	---	0.0	---

Notes:

TABLE 4
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7B

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diameter (Inches)	Water Vapor (%)	Offgas Velocity (ft/min)	CFM (ft^3/min)	Qstd (ft3/min)
RW-6	9/23/25	10:00	Start				3.0	<0.1		150	172.17
RW-7		10:30	0.5	10	195	9.9	3.0	<0.1		150	120.92
RW-8		11:00	0.5	10	200	9.5	3.0	<0.1		150	120.00
		11:30	0.5	12	204	9.3	3.0	<0.1		150	119.28
		12:00	0.5	13	202	9.3	3.0	<0.1		150	119.64
		12:30	0.5	15	203	9.2	3.0	<0.1		150	119.46
		13:00	0.5	17	204	9.2	3.0	<0.1		150	119.28
		13:30	0.5	18	204	9.2	3.0	<0.1		150	119.28
		14:00	0.5	19	205	9.1	3.0	<0.1		150	119.10
		14:30	0.5	19	204	9.1	3.0	<0.1		150	119.28
		15:00	0.5	19	206	9.1	3.0	<0.1		150	118.92
		15:30	0.5	19	205	9.2	3.0	<0.1		150	119.10
		16:00	0.5	19	204	9.2	3.0	<0.1		150	119.28
		16:30	0.5	19	204	9.3	3.0	<0.1		150	119.28
		17:00	0.5	19	205	9.2	3.0	<0.1		150	119.10
		17:30	0.5	19	206	9.2	3.0	<0.1		150	118.92
		18:00	0.5	19	205	9.1	3.0	<0.1		150	119.10
		19:00	1.0	19	208	9.0	3.0	<0.1		150	118.56
		20:00	1.0	19	211	8.8	3.0	<0.1		160	125.90
		21:00	1.0	19	215	8.5	3.0	<0.1		160	125.16
		22:00	1.0	19	216	8.5	3.0	<0.1		160	124.97
		23:00	1.0	19	218	8.3	3.0	<0.1		160	124.60
	9/24/25	24:00	1.0	19	219	8.2	3.0	<0.1		160	124.42
		8:00	8.0	19	212	8.5	3.0	<0.1		160	125.71
		9:00	1.0	19	214	8.9	3.0	<0.1		160	125.34
		10:00	2.0	19	215	9.2	3.0	<0.1		160	125.16
		12:00	2.0	19	214	9.5	3.0	<0.1		160	125.34
		14:00	2.0	19	213	9.6	3.0	<0.1		160	125.53
		16:00	2.0	19	215	9.8	3.0	<0.1		160	125.16
		18:00	2.0	19	211	9.7	3.0	<0.1		160	125.90
		20:00	2.0	19	213	9.5	3.0	<0.1		160	125.53
		22:00	2.0	19	215	9.2	3.0	<0.1		160	125.16

TABLE 4 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7B

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diamter (Inches)	Water Vapor (%)	Offgas Velocity (CFM)	CFM (ft^3/min)	Qstd (f^{t3}/min)
RW-6	9/25/25	24:00	2.0	19	217	9.2	3.0	<0.1		160	124.79
RW-7		8:00	8.0	19	211	8.4	3.0	<0.1		160	125.90
RW-8		10:00	2.0	19	206	8.2	3.0	<0.1		160	126.85
		12:00	2.0	19	210	8.7	3.0	<0.1		160	126.09
		14:00	2.0	19	212	8.5	3.0	<0.1		160	125.71
		16:00	2.0	19	214	8.8	3.0	<0.1		160	125.34
		18:00	2.0	19	211	9.0	3.0	<0.1		160	125.90
		20:00	2.0	19	213	8.8	3.0	<0.1		160	125.53
		22:00	2.0	19	216	8.5	3.0	<0.1		160	124.97
	9/26/25	24:00	2.0	19	218	8.3	3.0	<0.1		160	124.60
		8:00	8.0	19	210	8.1	3.0	<0.1		160	126.09
		10:00	2.0	19	213	8.5	3.0	<0.1		160	125.53
		12:00	2.0	19	208	8.0	3.0	<0.1		160	126.47
		14:00	2.0	19	212	8.4	3.0	<0.1		160	125.71
		16:00	2.0	19	216	8.9	3.0	<0.1		160	124.97
		18:00	2.0	19	218	9.0	3.0	<0.1		160	124.60
		20:00	2.0	19	220	8.3	3.0	<0.1		160	124.24
		22:00	2.0	19	221	8.1	3.0	<0.1		160	124.05
	9/27/25	24:00	2.0	19	220	8.0	3.0	<0.1		160	124.24
		8:00	8.0	19	208	8.2	3.0	<0.1		160	126.47
		10:00	2.0	19	213	8.3	3.0	<0.1		160	125.53

Well Gauging Data			Before AFVR Event			After AFVR Event		
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)
RW-6	4	22-42	---	24.26	---	---	24.81	---
RW-7	4	22-42	---	24.11	---	---	27.19	---
RW-8	4	22-42	23.50	25.15	1.65	---	25.98	---

Notes

Product Thickness	
Product observed in Sight Tube?	No
Product detected in Tanker?	Yes

Weather Conditions		Emerald, Inc. Personnel
9/23/25	Mostly Sunny, 66-88°F	
9/24/25	Mostly Sunny, 67-90°F	S. Brown
9/25/25	Partly Cloudy, 68-85°F	VERCO
9/26/25	Partly Cloudy, 66-81°F	
9/27/25	Partly Cloudy, 62-79°F	

Equations

Qstd = Flow in Dry Standard Cubic Feet Per Minute

Pipe ID = Inside Diameter of discharge pipe

Relative Humidity = Relative humidity at discharge pipe

Water Vapor = Pounds of water per pound of dry air from psychrometric charts

CFM = Air Flow (ft/min) x ((daimeter (in)/24)2)

Temperature Constant = 528°F/(Measured temp +460)

TABLE 5
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7B

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-6	9/23/25	10:00	Start			172.2	4.0	0	0	0.0000E+00	0.000	0.000	---
RW-7		10:30	0.5	935.2	110.3	120.9	4.0	3,741	31,083	1.9405E-05	0.141	0.329	0.08
RW-8		11:00	0.5	1,196	124.6	120.0	4.0	4,784	39,751	2.4816E-05	0.179	0.418	0.19
		11:30	0.5	1,407	137.4	119.3	4.0	5,628	46,764	2.9194E-05	0.209	0.489	0.23
		12:00	0.5	1,952	171.7	119.6	4.0	7,808	64,877	4.0503E-05	0.291	0.680	0.29
		12:30	0.5	2,231	227.5	119.5	4.0	8,924	74,150	4.6292E-05	0.332	0.776	0.36
		13:00	0.5	2,509	245.8	119.3	4.0	10,036	83,390	5.2060E-05	0.373	0.872	0.41
		13:30	0.5	2,732	262.2	119.3	4.0	10,928	90,802	5.6688E-05	0.406	0.949	0.46
		14:00	0.5	2,911	276.5	119.1	4.0	11,644	96,751	6.0402E-05	0.432	1.010	0.49
		14:30	0.5	2,984	274.2	119.3	4.0	11,936	99,177	6.1916E-05	0.443	1.037	0.51
		15:00	0.5	2,877	274.4	118.9	4.0	11,508	95,621	5.9696E-05	0.426	0.996	0.51
		15:30	0.5	2,863	289.1	119.1	4.0	11,452	95,156	5.9406E-05	0.425	0.993	0.50
		16:00	0.5	2,909	250.7	119.3	4.0	11,636	96,685	6.0360E-05	0.432	1.010	0.50
		16:30	0.5	2,831	273.9	119.3	4.0	11,324	94,092	5.8742E-05	0.420	0.983	0.50
		17:00	0.5	2,742	252.2	119.1	4.0	10,968	91,134	5.6895E-05	0.407	0.951	0.48
		17:30	0.5	2,680	247.8	118.9	4.0	10,720	89,073	5.5609E-05	0.397	0.928	0.47
		18:00	1.0	2,628	226.3	119.1	4.0	10,512	87,345	5.4530E-05	0.390	0.911	0.92
		19:00	1.0	2,593	220.1	118.6	4.0	10,372	86,182	5.3803E-05	0.383	0.895	0.90
		20:00	1.0	2,702	224.9	125.9	4.0	10,808	89,805	5.6065E-05	0.424	0.991	0.94
		21:00	1.0	2,609	219.4	125.2	4.0	10,436	86,714	5.4135E-05	0.407	0.951	0.97
		22:00	1.0	2,584	216.7	125.0	4.0	10,336	85,883	5.3617E-05	0.402	0.940	0.95
		23:00	1.0	2,538	215.3	124.6	4.0	10,152	84,354	5.2662E-05	0.394	0.921	0.93
	9/24/25	24:00	1.0	2,487	214.6	124.4	4.0	9,948	82,659	5.1604E-05	0.385	0.901	0.91
		8:00	8.0	2,513	220.3	125.7	4.0	10,052	83,523	5.2143E-05	0.393	0.920	7.28
		9:00	1.0	2,435	209.6	125.3	4.0	9,740	80,931	5.0525E-05	0.380	0.889	0.90
		10:00	1.0	2,362	230.1	125.2	4.0	9,448	78,504	4.9010E-05	0.368	0.861	0.89
		12:00	2.0	2,449	211.8	125.3	4.0	9,796	81,396	5.0815E-05	0.382	0.894	1.75
		14:00	2.0	2,398	220.6	125.5	4.0	9,592	79,701	4.9757E-05	0.375	0.877	1.77
		16:00	2.0	2,331	214.3	125.2	4.0	9,324	77,474	4.8367E-05	0.363	0.850	1.73
		18:00	2.0	2,258	211.6	125.9	4.0	9,032	75,048	4.6852E-05	0.354	0.828	1.68
		20:00	2.0	2,197	208.3	125.5	4.0	8,788	73,020	4.5587E-05	0.343	0.803	1.63
		22:00	2.0	2,231	207.1	125.2	4.0	8,924	74,150	4.6292E-05	0.348	0.813	1.62

TABLE 5 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7B

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-6	9/25/25	24:00	2.0	2,316	202.7	124.8	4.0	9,264	76,975	4.806E-05	0.360	0.842	1.65
RW-7		8:00	8.0	2,203	205.1	125.9	4.0	8,812	73,220	4.571E-05	0.345	0.808	6.60
RW-8		10:00	2.0	2,046	184.8	126.8	4.0	8,184	68,002	4.245E-05	0.323	0.756	1.56
		12:00	2.0	1,952	179.4	126.1	4.0	7,808	64,877	4.050E-05	0.306	0.717	1.47
		14:00	2.0	1,874	190.6	125.7	4.0	7,496	62,285	3.888E-05	0.293	0.686	1.40
		16:00	2.0	1,739	167.9	125.3	4.0	6,956	57,798	3.608E-05	0.271	0.635	1.32
		18:00	2.0	1,857	187.3	125.9	4.0	7,428	61,720	3.853E-05	0.291	0.681	1.32
		20:00	2.0	1,708	178.7	125.5	4.0	6,832	56,768	3.544E-05	0.267	0.624	1.31
		22:00	2.0	1,753	175.2	125.0	4.0	7,012	58,263	3.637E-05	0.273	0.638	1.26
	9/26/25	24:00	2.0	1,624	169.1	124.6	4.0	6,496	53,976	3.370E-05	0.252	0.589	1.23
		8:00	8.0	1,737	178.9	126.1	4.0	6,948	57,732	3.604E-05	0.273	0.638	4.91
		10:00	2.0	1,593	160.5	125.5	4.0	6,372	52,946	3.305E-05	0.249	0.582	1.22
		12:00	2.0	1,511	134.4	126.5	4.0	6,044	50,220	3.135E-05	0.238	0.556	1.14
		14:00	2.0	1,471	129.8	125.7	4.0	5,884	48,891	3.052E-05	0.230	0.539	1.10
		16:00	2.0	1,495	131.6	125.0	4.0	5,980	49,688	3.102E-05	0.233	0.544	1.08
		18:00	2.0	1,427	122.4	124.6	4.0	5,708	47,428	2.961E-05	0.221	0.518	1.06
		20:00	2.0	1,351	118.6	124.2	4.0	5,404	44,902	2.803E-05	0.209	0.489	1.01
		22:00	2.0	1,406	119.8	124.1	4.0	5,624	46,730	2.917E-05	0.217	0.508	1.00
	9/27/25	24:00	2.0	1,319	115.2	124.2	4.0	5,276	43,839	2.737E-05	0.204	0.477	0.99
		8:00	8.0	1,577	147.2	126.5	4.0	6,308	52,414	3.272E-05	0.248	0.581	4.23
		10:00	2.0	1,386	113.7	125.5	4.0	5,544	46,066	2.876E-05	0.217	0.507	1.09

Recovery / Disposal Information

Pollutant removal as Carbon:	29.62	**Pounds**
Pollutant Removal as Vapor:	69.70	**Equivalent Pounds of Gasoline**
Pollutant Removal as Gasoline:	11.33	**Equivalent Gallons**
Total Liquids Removed:	6,038	**Gallons**
Total Liquid Product Removed:	5.7	**Gallons**
Disposal Facility:	City of Manning Wastewater Facility	

Notes

Equations

PMMc = PPM x K

Cgm = PPMc * (Mg/K_3)

Cc = Cg:m x 62.43E-9 lb-m^3/mg-ft^3

PMRc = Cc x Qstd x 60 min/hr

PMR = PMR x (Mg/Mcg)

Notes

↑ = Stinger raised ↓ = Stinger lowered

PMRc = lb/hr (pollutant mass removal rate)

PMRg = pollutant mass removal of gasoline

Notes

Offgas measured by photoionization detector (ppm)

K = number of carbons in calibration gas

PPMC=Offgas PPM x K, volumetric concentration as gasoline emission

CC:m = mg/dsm^3, mass of gasoline emission

Mg = 200mg/mg-mole (molecular weight of gasoline)

Mc = 12.01 mg/mg-mole (Molecular weight of carbon)

K_3 = 24.07dsm^3/1E6 mg-mole (mass to volume conversion factor at STP)

Cc = lb/dscf (mass concentration of VOC emissions as carbon, dry basis at STP)

TABLE 6
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7B

Date	Time (hh:mm)	Extraction Wells						Event Monitoring						
		RW-6		RW-7		RW-8		MW-1			MW-12i		RW-3	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Product (ft.)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
9/23/25	10:00	24.5		24.0		23.5		Pre	23.50	25.15	Pre	24.03	Pre	24.52
	10:30	24.5	15.0	24.0	13.0	23.5	18.0	---	---	---	---	---	---	---
	11:00	25.0	15.0	24.5	13.0	24.0	18.0	---	---	---	---	---	---	---
	11:30	25.5	16.0	25.0	14.0	24.5	18.0	---	---	---	---	---	---	---
	12:00	26.0	16.0	25.5	14.0	25.0	18.0	1.61	---	---	1.00	---	1.53	---
	12:30	26.5	16.0	26.0	14.0	26.0	18.0	---	---	---	---	---	---	---
	13:00	27.0	16.0	27.0	14.0	35.0	19.0	---	---	---	---	---	---	---
	13:30	27.5	16.0	27.5	14.0	27.0	18.0	---	---	---	---	---	---	---
	14:00	28.0	16.0	28.0	14.0	27.5	18.0	1.63	---	---	0.90	---	1.50	---
	14:30	28.5	16.0	28.5	14.0	28.0	18.0	---	---	---	---	---	---	---
	15:00	28.5	16.0	28.5	14.0	28.5	18.0	---	---	---	---	---	---	---
	15:30	29.0	16.0	29.0	14.0	28.5	18.0	---	---	---	---	---	---	---
	16:00	29.0	16.0	29.0	14.0	29.0	18.0	1.59	---	---	0.84	---	1.48	---
	16:30	29.0	16.0	29.0	14.0	29.0	18.0	---	---	---	---	---	---	---
	17:00	29.0	16.0	29.0	14.0	29.0	18.0	---	---	---	---	---	---	---
	17:30	29.0	16.0	29.0	14.0	29.0	18.0	1.60	---	---	0.79	---	1.51	---
	18:00	29.0	16.0	29.0	14.0	29.0	18.0	---	23.59	25.07	---	24.05	---	24.58
	19:00	30.0	17.0	30.0	15.0	30.0	17.0	---	---	---	---	---	---	---
	20:00	31.0	17.0	31.0	15.0	31.0	17.0	1.64	---	---	0.77	---	1.54	---
	21:00	32.0	17.0	32.0	15.0	32.0	17.0	---	---	---	---	---	---	---
	22:00	33.0	17.0	33.0	15.0	33.0	18.0	1.66	---	---	0.76	---	1.49	---
	23:00	34.0	17.0	34.0	15.0	34.0	18.0	---	---	---	---	---	---	---
9/24/25	24:00	35.0	17.0	35.0	15.0	35.0	18.0	1.67	23.68	24.81	0.69	24.11	1.45	
	8:00	35.0	16.0	35.0	14.0	35.0	17.0	1.62	23.74	24.43	0.71	24.14	1.42	24.62
	9:00	35.0	17.0	35.0	15.0	35.0	18.0	---	---	---	---	---	---	---
	10:00	35.0	17.0	35.0	15.0	35.0	18.0	1.48	---	---	0.59	---	1.39	---
	12:00	35.0	16.0	35.0	14.0	35.0	17.0	1.43	---	---	0.56	---	1.40	---
	14:00	35.0	16.0	35.0	14.0	35.0	18.0	1.38	---	---	0.59	---	1.37	---
	16:00	35.0	16.0	35.0	15.0	35.0	18.0	1.36	23.81	24.30	0.52	24.20	1.29	24.69
	18:00	35.0	16.0	35.0	15.0	35.0	19.0	1.37	---	---	0.53	---	1.27	---
	20:00	35.0	16.0	35.0	15.0	35.0	19.0	1.35	---	---	0.50	---	1.24	---
	22:00	35.0	16.0	35.0	15.0	35.0	20.0	1.33	23.90	24.19	0.49	24.18	1.25	24.74

Notes:

TABLE 6 Cont'd.
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7B

Date	Time (hh:mm)	Extraction Wells						Event Monitoring						
		RW-6		RW-7		RW-8		MW-1			MW-12i		RW-3	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Product (ft.)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
9/25/25	24:00	35.0	16.0	35.0	15.0	35.0	19.0	1.32	---	---	0.48	---	1.20	---
	8:00	35.0	15.0	35.0	14.0	35.0	18.0	1.30	23.97	24.11	0.45	24.21	1.19	24.78
	10:00	35.0	17.0	35.0	14.0	35.0	20.0	1.31	---	---	0.44	---	1.18	---
	12:00	35.0	17.0	35.0	15.0	35.0	19.0	1.29	---	---	0.42	---	1.16	---
	14:00	35.0	16.0	35.0	14.0	35.0	21.0	1.27		---	0.40	---	1.14	---
	16:00	35.0	17.0	35.0	14.0	35.0	20.0	1.23	24.01	24.09	0.45	24.24	1.15	24.81
	18:00	35.0	16.0	35.0	14.0	35.0	19.0	1.20	---	---	0.49	---	1.10	---
	20:00	35.0	16.0	35.0	14.0	35.0	19.0	1.18	---	---	0.52	---	1.09	---
	22:00	35.0	17.0	35.0	15.0	35.0	19.0	1.16	---	---	0.56	---	1.08	---
9/26/25	24:00	35.0	17.0	35.0	15.0	35.0	19.0	1.10	24.09	24.20	0.63	24.27	1.05	24.84
	8:00	35.0	16.0	35.0	14.0	35.0	20.0	1.12	24.10	24.13	0.67	24.29	1.03	24.87
	10:00	35.0	16.0	35.0	15.0	35.0	19.0	1.08	---	---	0.70	---	1.04	---
	12:00	35.0	17.0	35.0	15.0	35.0	18.0	1.13	---	---	0.69	---	1.03	---
	14:00	35.0	17.0	35.0	15.0	35.0	19.0	1.15	---	---	0.71	---	1.05	---
	16:00	35.0	17.0	35.0	14.0	35.0	20.0	1.16	---	24.10	0.72	24.31	1.02	24.88
	18:00	35.0	17.0	35.0	14.0	35.0	18.0	1.16	---	---	0.73	---	1.07	---
	20:00	35.0	17.0	35.0	14.0	35.0	18.0	1.17	---	---	0.73	---	1.09	---
	22:00	35.0	16.0	35.0	15.0	35.0	18.0	1.14	---	---	0.70	---	1.08	---
9/27/25	24:00	35.0	16.0	35.0	15.0	35.0	18.0	1.10	---	24.17	0.74	24.36	1.03	24.80
	8:00	35.0	17.0	35.0	15.0	35.0	17.0	1.11	---	24.21	0.63	24.39	1.01	24.83

Notes:

TABLE 7
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7C

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diameter (Inches)	Water Vapor (%)	Offgas Velocity (ft/min)	CFM (ft^3/min)	Qstd (ft3/min)
RW-4	9/27/25	11:00	Start	14	131.1	57.8	3.0	<0.1	1,041	150	133.99
RW-5		11:30	0.5	15	133.6	59.1	3.0	<0.1	1,117	150	133.42
RW-7		12:00	0.5	14	135.2	57.3	3.0	<0.1	1,223	150	133.06
RW-8		12:30	0.5	14	138.4	59.2	3.0	<0.1	1,275	150	132.35
		13:00	0.5	15	137.8	61.9	3.0	<0.1	1,314	150	132.49
		13:30	0.5	15	139.2	63.4	3.0	<0.1	1,249	150	132.18
		14:00	0.5	15	140.6	65.6	3.0	<0.1	1,214	150	131.87
		14:30	0.5	15	143.3	66.9	3.0	<0.1	1,193	150	131.28
		15:00	0.5	15	144.7	67.5	3.0	<0.1	1,226	150	130.97
		15:30	0.5	15	146.5	69.2	3.0	<0.1	1,262	150	130.59
		16:00	0.5	15	147.8	70.4	3.0	<0.1	1,239	150	130.31
		16:30	0.5	15	144.6	67.8	3.0	<0.1	1,211	150	131.00
		17:00	0.5	15	143.2	65.6	3.0	<0.1	1,283	150	131.30
		17:30	0.5	15	141.1	66.3	3.0	<0.1	1,301	150	131.76
		18:00	0.5	15	140.5	67.9	3.0	<0.1	1,287	150	131.89
		18:30	0.5	15	138.4	65.2	3.0	<0.1	1,247	150	132.35
		19:00	0.5	15	140.2	68.1	3.0	<0.1	1,194	150	131.96
		20:00	1.0	15	138.3	69.2	3.0	<0.1	1,213	150	132.38
		21:00	1.0	15	136.6	65.7	3.0	<0.1	1,249	150	132.75
		22:00	1.0	14	134.8	60.3	3.0	<0.1	1,286	150	133.15
		23:00	1.0	14	129.5	57.8	3.0	<0.1	1,310	150	134.35
	9/28/25	24:00	1.0	14	126.7	51.4	3.0	<0.1	1,332	150	134.99
		8:00	8.0	15	130.3	55.7	3.0	<0.1	1,308	150	134.17
		10:00	2.0	15	133.5	58.2	3.0	<0.1	1,252	150	133.45
		12:00	2.0	16	136.8	62.4	3.0	<0.1	1,232	150	132.71
		14:00	2.0	16	139.1	66.1	3.0	<0.1	1,179	150	132.20
		16:00	2.0	17	141.7	68.9	3.0	<0.1	1,257	150	131.63
		18:00	2.0	17	143.8	70.4	3.0	<0.1	1,292	150	131.17
		20:00	2.0	17	138.1	67.3	3.0	<0.1	1,242	150	132.42
		22:00	2.0	16	134.6	64.1	3.0	<0.1	1,287	150	133.20
	9/29/25	24:00	2.0	15	130.9	60.5	3.0	<0.1	1,260	150	134.03
		8:00	8.0	16	132.4	58.4	3.0	<0.1	1,243	150	133.69

TABLE 7 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7C

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Knockout Tank Vacuum (in. Hg)	Temperature (°F)	Relative Humidity (%)	Pipe Diamter (Inches)	Water Vapor (%)	Offgas Velocity (CFM)	CFM (ft^3/min)	Qstd (f^{t3}/min)
RW-4		10:00	2.0	16	136.2	55.2	3.0	<0.1	1,233	150	132.84
RW-5		12:00	2.0	16	139.3	57.6	3.0	<0.1	1,211	150	132.15
RW-7		14:00	2.0	16	142.9	59.3	3.0	<0.1	1,268	150	131.37
RW-8		16:00	2.0	16	145.7	63.8	3.0	<0.1	1,293	150	130.76
		18:00	2.0	16	143.5	64.5	3.0	<0.1	1,277	150	131.23
		20:00	2.0	16	138.7	62.7	3.0	<0.1	1,231	150	132.29
		22:00	2.0	16	134.2	59.4	3.0	<0.1	1,185	150	133.29
	9/30/25	24:00	2.0	15	129.6	55.2	3.0	<0.1	1,214	150	134.33
		8:00	8.0	15	132.4	52.8	3.0	<0.1	1,263	150	133.69
		10:00	2.0	16	134.9	54.1	3.0	<0.1	1,226	150	133.13
		12:00	2.0	16	136.1	56.7	3.0	<0.1	1,277	150	132.86
		14:00	2.0	16	137.6	58.3	3.0	<0.1	1,310	150	132.53
		16:00	2.0	16	140.2	61.8	3.0	<0.1	1,283	150	131.96
		18:00	2.0	16	142.4	62.5	3.0	<0.1	1,347	150	131.47
		20:00	2.0	15	139.8	60.6	3.0	<0.1	1,265	150	132.04
		22:00	2.0	15	135.6	58.4	3.0	<0.1	1,211	150	132.98
	10/1/25	24:00	2.0	15	130.2	54.7	3.0	<0.1	1,179	150	134.19
		8:00	8.0	15	132.5	52.2	3.0	<0.1	1,182	150	133.67
		10:00	2.0	16	135.1	56.5	3.0	<0.1	1,238	150	133.09
		11:00	2.0	16	137.4	59.9	3.0	<0.1	1,238	150	132.57

Well Gauging Data			Before AFVR Event			After AFVR Event		
Well No.	Diameter (in)	Screened Interval (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)	Depth to Product (ft)	Depth to Water (ft)	Product Thickness (ft)
RW-4	4	22-42	---	28.59	---	---	26.13	---
RW-5	4	22-42	---	34.44	---	25.85	25.89	0.04
RW-7	4	22-42	---	27.19	---	---	26.75	---
RW-8	4	22-42	---	25.98	---	25.86	26.53	0.67

Notes

Product Thickness	
Product observed in Sight Tube?	No
Product detected in Tanker?	No

Weather Conditions		Emerald, Inc. Personnel
9/27/25	Partly Cloudy, 62-79°F	
9/28/25	Mostly Sunny, 65-83°F	S. Brown
9/29/25	Cloudy, 64-76°F	VERCO
9/30/25	Cloudy, 63-74°F	
10/1/25	Sunny, 59-82°F	

Equations

Qstd = Flow in Dry Standard Cubic Feet Per Minute
Pipe ID = Inside Diameter of discharge pipe
Relative Humidity = Relative humidity at discharge pipe
Water Vapor = Pounds of water per pound of dry air from psychrometric charts
CFM = Air Flow (ft/min) x ((daimeter (in)/24)2)
Temperature Constant = 528°F/(Measured temp +460)
Qstd Calculation = (1-water vapor) x velocity (ft/min) x Temp constant

TABLE 8
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7C

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-4	9/27/25	11:00	Start	1,978	174.1	134.0	4.0	7,912	65,742	4.1042E-05	0.330	0.772	---
RW-5		11:30	0.5	2,741	216.5	133.4	4.0	10,964	91,101	5.6874E-05	0.455	1.065	0.46
RW-7		12:00	0.5	2,967	255.2	133.1	4.0	11,868	98,612	6.1564E-05	0.492	1.150	0.55
RW-8		12:30	0.5	3,021	264.8	132.4	4.0	12,084	100,407	6.2684E-05	0.498	1.164	0.58
		13:00	0.5	2,983	262.5	132.5	4.0	11,932	99,144	6.1896E-05	0.492	1.151	0.58
		13:30	0.5	2,813	258.7	132.2	4.0	11,252	93,494	5.8368E-05	0.463	1.083	0.56
		14:00	0.5	3,077	233.9	131.9	4.0	12,308	102,268	6.3846E-05	0.505	1.182	0.57
		14:30	0.5	2,743	249.6	131.3	4.0	10,972	91,167	5.6916E-05	0.448	1.049	0.56
		15:00	0.5	2,910	256.0	131.0	4.0	11,640	96,718	6.0381E-05	0.475	1.110	0.54
		15:30	0.5	2,837	226.9	130.6	4.0	11,348	94,292	5.8866E-05	0.461	1.079	0.55
		16:00	0.5	2,783	275.5	130.3	4.0	11,132	92,497	5.7746E-05	0.451	1.056	0.53
		16:30	0.5	2,958	260.3	131.0	4.0	11,832	98,313	6.1377E-05	0.482	1.128	0.55
		17:00	0.5	3,073	242.7	131.3	4.0	12,292	102,135	6.3763E-05	0.502	1.175	0.58
		17:30	0.5	3,124	278.0	131.8	4.0	12,496	103,830	6.4821E-05	0.512	1.199	0.59
		18:00	0.5	2,993	254.4	131.9	4.0	11,972	99,476	6.2103E-05	0.491	1.150	0.59
		18:30	0.5	2,966	258.2	132.4	4.0	11,864	98,579	6.1543E-05	0.489	1.143	0.57
		19:00	0.5	2,894	227.6	132.0	4.0	11,576	96,186	6.0049E-05	0.475	1.112	0.56
		20:00	1.0	2,821	261.2	132.4	4.0	11,284	93,760	5.8534E-05	0.465	1.088	1.10
		21:00	1.0	2,918	256.7	132.8	4.0	11,672	96,984	6.0547E-05	0.482	1.128	1.11
		22:00	1.0	2,846	224.8	133.2	4.0	11,384	94,591	5.9053E-05	0.472	1.104	1.12
		23:00	1.0	2,813	275.2	134.4	4.0	11,252	93,494	5.8368E-05	0.471	1.101	1.10
	9/28/25	24:00	1.0	2,794	245.1	135.0	4.0	11,176	92,862	5.7974E-05	0.470	1.098	1.10
		8:00	8.0	2,957	232.5	134.2	4.0	11,828	98,280	6.1356E-05	0.494	1.155	9.02
		10:00	2.0	2,922	221.9	133.4	4.0	11,688	97,117	6.0630E-05	0.485	1.136	2.29
		12:00	2.0	2,871	252.4	132.7	4.0	11,484	95,422	5.9572E-05	0.474	1.110	2.25
		14:00	2.0	2,906	247.2	132.2	4.0	11,624	96,585	6.0298E-05	0.478	1.119	2.25
		16:00	2.0	2,788	250.6	131.6	4.0	11,152	92,663	5.7849E-05	0.457	1.069	2.19
		18:00	2.0	2,833	218.1	131.2	4.0	11,332	94,159	5.8783E-05	0.463	1.082	2.15
		20:00	2.0	2,789	245.4	132.4	4.0	11,156	92,696	5.7870E-05	0.460	1.076	2.16
		22:00	2.0	2,724	215.9	133.2	4.0	10,896	90,536	5.6522E-05	0.452	1.057	2.13
	9/29/25	24:00	2.0	2,636	242.5	134.0	4.0	10,544	87,611	5.4696E-05	0.440	1.029	2.09
		8:00	8.0	2,478	247.2	133.7	4.0	9,912	82,360	5.1417E-05	0.412	0.965	7.97

TABLE 8 Cont'd.
AFVR MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7C

Extraction Wells	Date	Time (hh:mm)	Differential Time (hr)	Offgas Concentration (PPM)	Post Treatment Offgas Concentration (PPM)	Qstd (ft^3/min)	K (# Carbons in Gas)	PPMc	Cg:m (mg/dsm^3)	CC (lb/dscf)	PMRc (lb/hr)	PMRg (lb/hr)	Interval Removal Rate PMRg (lbs)
RW-2		10:00	2.0	2,381	235.7	132.8	4.0	9,524	79,136	4.940E-05	0.394	0.921	1.89
RW-4		12:00	2.0	2,419	221.6	132.2	4.0	9,676	80,399	5.019E-05	0.398	0.931	1.85
		14:00	2.0	2,354	230.3	131.4	4.0	9,416	78,238	4.884E-05	0.385	0.901	1.83
		16:00	2.0	2,293	201.7	130.8	4.0	9,172	76,211	4.758E-05	0.373	0.873	1.77
		18:00	2.0	2,337	224.3	131.2	4.0	9,348	77,673	4.849E-05	0.382	0.893	1.77
		20:00	2.0	2,441	231.8	132.3	4.0	9,764	81,130	5.065E-05	0.402	0.940	1.83
		22:00	2.0	2,380	188.0	133.3	4.0	9,520	79,103	4.938E-05	0.395	0.924	1.86
	9/30/25	24:00	2.0	2,316	196.2	134.3	4.0	9,264	76,975	4.806E-05	0.387	0.906	1.83
		8:00	8.0	2,256	204.6	133.7	4.0	9,024	74,981	4.681E-05	0.375	0.878	7.14
		10:00	2.0	2,206	194.1	133.1	4.0	8,824	73,319	4.577E-05	0.366	0.855	1.73
		12:00	2.0	2,183	200.8	132.9	4.0	8,732	72,555	4.530E-05	0.361	0.845	1.70
		14:00	2.0	2,115	177.5	132.5	4.0	8,460	70,295	4.389E-05	0.349	0.816	1.66
		16:00	2.0	2,241	199.4	132.0	4.0	8,964	74,483	4.650E-05	0.368	0.861	1.68
		18:00	2.0	2,165	190.5	131.5	4.0	8,660	71,957	4.492E-05	0.354	0.829	1.69
		20:00	2.0	2,084	181.3	132.0	4.0	8,336	69,265	4.324E-05	0.343	0.801	1.63
		22:00	2.0	2,033	157.5	133.0	4.0	8,132	67,570	4.218E-05	0.337	0.787	1.59
	10/1/25	24:00	2.0	1,949	143.2	134.2	4.0	7,796	64,778	4.044E-05	0.326	0.762	1.55
		8:00	8.0	1,781	131.7	133.7	4.0	7,124	59,194	3.695E-05	0.296	0.693	5.82
		10:00	2.0	1,720	121.4	133.1	4.0	6,880	57,167	3.569E-05	0.285	0.667	1.36
		11:00	2.0	1,662	107.9	132.6	4.0	6,648	55,239	3.449E-05	0.274	0.642	1.31

Recovery / Disposal Information

Pollutant removal as Carbon:	39.28	**Pounds**
Pollutant Removal as Vapor:	92.42	**Equivalent Pounds of Gasoline**
Pollutant Removal as Gasoline:	15.02	**Equivalent Gallons**
Total Liquids Removed:	7,592.0	**Gallons**
Total Liquid Product Removed:	5.9	**Gallons**
Disposal Facility:	City of Manning Wastewater Facility	

Notes

Equations

PMMc = PPM x K

Cgm = PPMc * (Mg/K_3)

Cc = Cg:m x 62.43E-9 lb-m^3/mg-ft^3

PMRc = Cc x Qstd x 60 min/hr

PMR = PMR x (Mg/Mcg)

Notes

↑ = Stinger raised ↓ = Stinger lowered

PMRc = lb/hr (pollutant mass removal rate)

PMRg = pollutant mass removal of gasoline

Notes

Offgas measured by photoionization detector (ppm)

K = number of carbons in calibration gas

PPMC=Offgas PPM x K, volumetric concentration as gasoline emission

CC:m = mg/dsm^3, mass of gasoline emission

Mg = 200mg/mg-mole (molecular weight of gasoline)

Mc = 12.01 mg/mg-mole (Molecular weight of carbon)

K_3 = 24.07dsm^3/1E6 mg-mole (mass to volume conversion factor at STP)

Cc = lb/dscf (mass concentration of VOC emissions as carbon, dry basis at STP)

TABLE 9
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7C

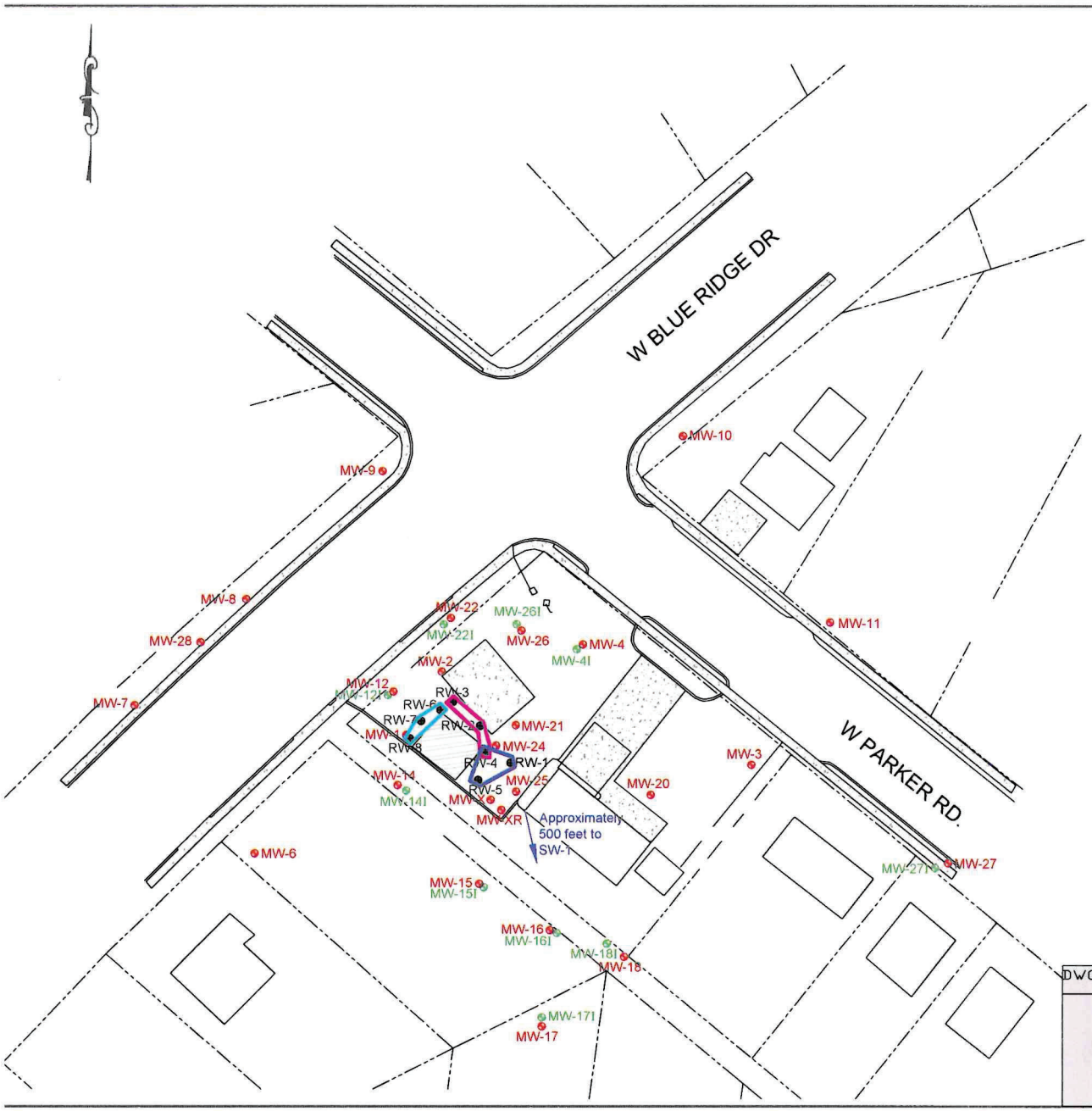
Date	Time (hh:mm)	Extraction Wells								Event Monitoring					
		RW-4		RW-5		RW-7		RW-8		IGWA		MW-24		MW-1	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
9/27/25	11:00	35.0	12.0	35.0	11.0	35.0	9.0	35.0	10.0	Pre	26.19	Pre	25.27	Pre	28.49
	11:30	35.0	11.0	35.0	10.0	35.0	8.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	12:00	35.0	11.0	35.0	10.0	35.0	8.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	12:30	35.0	11.0	35.0	10.0	35.0	9.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	13:00	35.0	10.0	35.0	9.0	35.0	9.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	13:30	35.0	10.0	35.0	10.0	35.0	9.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	14:00	35.0	11.0	35.0	9.0	35.0	9.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	14:30	35.0	11.0	35.0	11.0	35.0	9.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	15:00	35.0	11.0	35.0	11.0	35.0	9.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	15:30	35.0	11.0	35.0	9.0	35.0	9.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	16:00	35.0	11.0	35.0	9.0	35.0	10.0	35.0	10.0	0.00	26.22	0.00	25.32	0.00	28.53
	16:30	35.0	11.0	35.0	9.0	35.0	8.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	17:00	35.0	10.0	35.0	10.0	35.0	9.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	17:30	35.0	11.0	35.0	10.0	35.0	9.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	18:00	35.0	10.0	35.0	10.0	35.0	8.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	18:30	35.0	1.0	35.0	10.0	35.0	7.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	19:00	35.0	10.0	35.0	9.0	35.0	7.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	20:00	35.0	10.0	35.0	9.0	35.0	7.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	21:00	35.0	10.0	35.0	9.0	35.0	8.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	22:00	35.0	10.0	35.0	9.0	35.0	8.0	35.0	8.0	0.00	---	0.00	---	0.00	---
	23:00	35.0	1.0	35.0	8.0	35.0	7.0	35.0	8.0	0.00	---	0.00	---	0.00	---
9/28/25	24:00	35.0	9.0	35.0	9.0	35.0	7.0	35.0	8.0	0.00	26.24	0.00	25.39	0.00	28.98
	8:00	35.0	10.0	35.0	9.0	35.0	8.0	35.0	9.0	0.00	26.29	0.00	25.44	0.00	28.64
	10:00	35.0	10.0	35.0	9.0	35.0	8.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	12:00	35.0	11.0	35.0	9.0	35.0	9.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	14:00	35.0	11.0	35.0	9.0	35.0	8.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	16:00	35.0	12.0	35.0	10.0	35.0	9.0	35.0	9.0	0.00	26.33	0.00	25.51	0.00	28.69
	18:00	35.0	12.0	35.0	11.0	35.0	9.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	20:00	35.0	13.0	35.0	12.0	35.0	10.0	35.0	11.0	0.00	---	0.00	---	0.00	---
	22:00	35.0	12.0	35.0	12.0	35.0	10.0	35.0	11.0	0.00	---	0.00	---	0.00	---
9/29/2025	24:00	35.0	12.0	35.0	11.0	35.0	9.0	35.0	10.0	0.00	26.35	0.00	25.56	0.00	28.74
	8:00	35.0	12.0	35.0	10.0	35.0	8.0	35.0	9.0	0.00	26.40	0.00	25.61	0.00	28.80

Notes:

TABLE 9 Cont'd.
EVENT MONITORING DATA
WESTSIDE QUICK STOP
GREENVILLE, SOUTH CAROLINA
SCDES SITE ID #12430
EMERALD JOB #25-7C

Date	Time (hh:mm)	Extraction Wells								Event Monitoring					
		RW-4		RW-5		RW-7		RW-8		IGWA		MW-24		MW-1	
		Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Stinger Depth (ft.)	Wellhead Vacuum (in. Hg)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)	Magnehelic Reading (inches of water)	Depth to Water (ft.)
	10:00	35.0	13.0	35.0	12.0	35.0	10.0	35.0	10	0.00	---	0.00	---	0.00	---
	12:00	35.0	12.0	35.0	11.0	35.0	10.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	14:00	35.0	13.0	35.0	12.0	35.0	9.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	16:00	35.0	13.0	35.0	12.0	35.0	10.0	35.0	10.0	0.00	26.43	0.00	25.68	0.00	28.84
	18:00	35.0	12.0	35.0	12.0	35.0	10.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	20:00	35.0	11.0	35.0	11.0	35.0	10.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	22:00	35.0	12.0	35.0	12.0	35.0	10.0	35.0	10.0	0.00	---	0.00	---	0.00	---
9/30/25	24:00	35.0	12.0	35.0	11.0	35.0	10.0	35.0	10.0	0.00	26.48	0.00	25.72	0.00	28.88
	8:00	35.0	11.0	35.0	12.0	35.0	9.0	35.0	9.0	0.00	26.51	0.00	25.80	0.00	28.93
	10:00	35.0	12.0	35.0	11.0	35.0	9.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	12:00	35.0	12.0	35.0	11.0	35.0	9.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	14:00	35.0	13.0	35.0	11.0	35.0	9.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	16:00	35.0	13.0	35.0	11.0	35.0	10.0	35.0	10.0	0.00	26.55	0.00	25.84	0.00	28.97
	18:00	35.0	13.0	35.0	11.0	35.0	10.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	20:00	35.0	12.0	35.0	10.0	35.0	10.0	35.0	10.0	0.00	---	0.00	---	0.00	---
	22:00	35.0	12.0	35.0	10.0	35.0	9.0	35.0	9.0	0.00	---	0.00	---	0.00	---
10/1/25	24:00	35.0	11.0	35.0	10.0	35.0	9.0	35.0	9.0	0.00	26.58	0.00	25.88	0.00	29.00
	8:00	35.0	11.0	35.0	10.0	35.0	8.0	35.0	8.0	0.00	26.63	0.00	25.95	0.00	29.03
	10:00	35.0	12.0	35.0	11.0	35.0	9.0	35.0	9.0	0.00	---	0.00	---	0.00	---
	11:00	35.0	12.0	35.0	12.0	35.0	10.0	35.0	10.0	0.00	---	0.00	---	0.00	---

Notes:



EXPLANATION

MW-1	= SHALLOW AQUIFER MONITORING WELL
MW-29I	= INTERMEDIATE AQUIFER MONITORING WELL
RW-1	= RECOVERY WELL
	= UST AREA
	= AFVR ZONE 1
	= AFVR ZONE 2
	= AFVR ZONE 2
	= GIS PROPERTY LINE
	= FENCE LINE

NOTE: Wells MW-5, MW-19, MW-19I, MW-23, and MW-23I are not shown on map because they were previously destroyed or abandoned.

25' 50' 75' 100'

DWG	DATE	DRAWN BY	CHECKED BY	SCALE	JOB NO.	FIGURE
SOUTHER LAND SURVEYING 2017 SURVEY	06/05/2025	BD	TFD	AS SHOWN	3570	2

ENVIROSOUTH Environmental Consultants

SITE MAP WITH AFVR ZONES

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1852-1

2. Page 1 of 1

3. Generator's Name and Mailing Address
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
Permit# 12430

4. Generator's Phone

5. Transporter 1 Company Name: Emerald, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone 803-469-5454

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater	1	T	2000	gal
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Donnie June | Signature | Date Month 9 Day 25 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Donnie June | Signature | Date Month 9 Day 25 Year 25

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

Printed/Typed Name: Kathy Hodge | Signature: Kathy Hodge | Date Month 9 Day 29 Year 25

NON-HAZARDOUS WASTE

CF-1 LABELMASTER

GPI
For Motor Fuels Only
Fuel Meter
DISPLAY
5988

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1852-2

2. Page 1 of 1

3. Generator's Name and Mailing Address
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
Permit# 12430

4. Generator's Phone

5. Transporter 1 Company Name: Emerald, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone 803-469-5454

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater	1	T	4020	gal
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Steve Boon
Signature:
Date: Month 9 Day 26 Year 25

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ronnie Jine
Signature:
Date: Month 9 Day 26 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ronnie Jine
Signature:
Date: Month 9 Day 26 Year 25

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

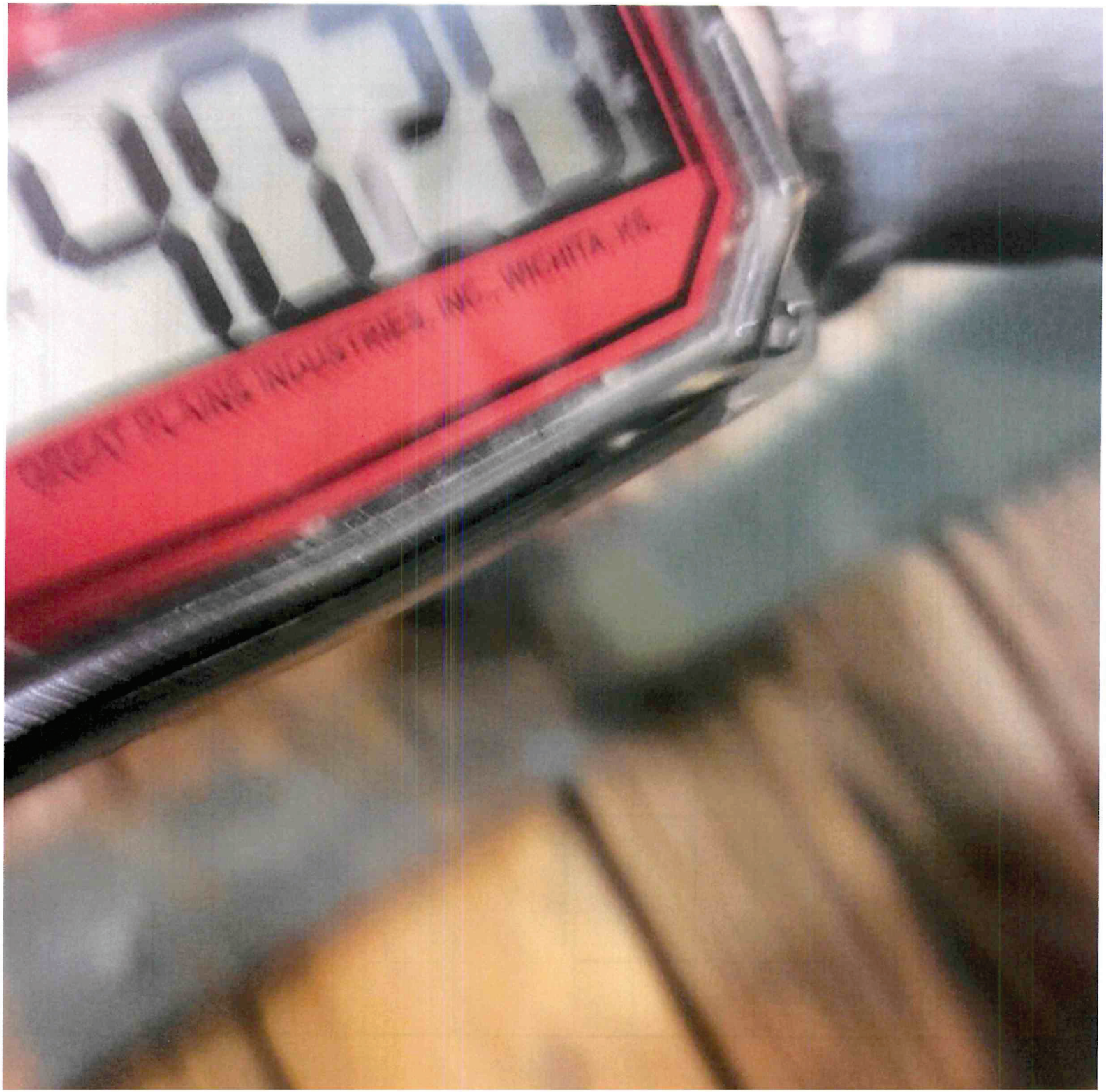
Printed/Typed Name: Kathy Hodge
Signature: Kathy Hodge
Date: Month 9 Day 29 Year 25

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE


GREAT PLAINS INDUSTRIES, INC., WICHITA, KS.

GPI
Electronic
Fuel Meter
For Motor
Fuels Only
TTL1
GAL
5988
DISPLAY
NON-COMMERCIAL
GREAT PLAINS INDUSTRIES, INC., WICHITA, KS.

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1852- 4

2. Page 1 of 1

3. Generator's Name and Mailing Address
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
Permit# 12430

4. Generator's Phone ( )

5. Transporter 1 Company Name: Emerald, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone: 803-469-5454

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater	1	T	4494	gal
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Steve Brown — Signature — Date: Month 10 Day 1 Year 25

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Daniel Alexander — Signature — Date: Month 10 Day 1 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Ronnie Jiine — Signature — Date: Month 10 Day 1 Year 25

19. Discrepancy Indication Space

Ronnie Jiine

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

Printed/Typed Name: Kathy Hodge — Signature: Kathy Hodge — Date: Month 10 Day 2 Year 25

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

or Motor
Fuels Only
DISPLAY
NON-COMMERCIAL
GPI
Electronic
Fuel Meter
GAL
GREAT PLAINS INDUSTRIES, INC., WICHITA, KS.

CONTRACTOR CHECKLIST

#12430

Contractor Checklist

For each report submitted to the UST Management Division, the contractor will be required to verify that all data elements for the required scope of work have been provided. For items not required for the scope of work, the N/A box should be checked. For items required and not completed or provided, the "No" box should be checked and a thorough description of the reason must be provided.

Item #	Item	Yes	No	N/A
1	Is Facility Name, Permit #, and address provided?	✓		
2	Is UST Owner/Operator name, address, & phone number provided?	✓		
3	Is name, address, & phone number of current property owner provided?	✓		
4	Is the SCDHEC Certified UST Site Rehabilitation Contractor's Name, Address, telephone number, and certification number provided?	✓		
5	Is the name, address, telephone number, and certification number of the well driller that installed borings/monitoring wells provided?			✓
6	Is the name, address, telephone number, and certification number of the certified laboratory(ies) performing analytical analyses provided?			✓
7	Has the facility history been summarized?	✓		
8	Has the regional geology and hydrogeology been described?	✓		
9	Are the receptor survey results provided as required?			✓
10	Has current use of the site and adjacent land been described?	✓		
11	Has the site-specific geology and hydrogeology been described?	✓		
12	Has the primary soil type been described?			✓
13	Have field screening results been described?			✓
14	Has a description of the soil sample collection and preservation been detailed?			✓
15	Has the field screening methodology and procedure been detailed?			✓
16	Has the monitoring well installation and development dates been provided?			✓
17	Has the method of well development been detailed?			✓
18	Has justification been provided for the locations of the monitoring wells?			✓
19	Have the monitoring wells been labeled in accordance with the UST QAPP guidelines?	✓		
20	Has the groundwater sampling methodology been detailed?			✓
21	Have the groundwater sampling dates and groundwater measurements been provided?			✓
22	Has the purging methodology been detailed?			✓
23	Has the volume of water purged from each well been provided along with measurements to verify that purging is complete?			✓
24	If free-product is present, has the thickness been provided?	✓		
25	Does the report include a brief discussion of the assessment done and the results?	✓		
26	Does the report include a brief discussion of the aquifer evaluation and results?			✓
27	Does the report include a brief discussion of the fate & transport models used?			✓

Item #	Item	Yes	No	N/A
28	Are the site-conceptual model tables included? (Tier 1 Risk Evaluation)			✓
29	Have the exposure pathways been analyzed? (Tier 2 Risk Evaluation)			✓
30	Have the SSTLs for each compound and pathway been calculated? (Tier 2 Risk Evaluation)			✓
31	Have recommendations for further action been provided and explained?	✓		
32	Has the soil analytical data for the site been provided in tabular format? (Table 1)			✓
33	Has the potentiometric data for the site been provided in tabular format? (Table 2)			✓
34	Has the current and historical laboratory data been provided in tabular format?			✓
35	Have the aquifer characteristics been provided and summarized on the appropriate form?			✓
36	Have the Site conceptual model tables been included? (Tier 1 Risk Evaluation)			✓
37	Has the topographic map been provided with all required elements? (Figure 1)	✓		
38	Has the site base map been provided with all required elements? (Figure 2)	✓		
39	Have the CoC site maps been provided? (Figure 3 & Figure 4)			✓
40	Has the site potentiometric map been provided? (Figure 5)			✓
41	Have the geologic cross-sections been provided? (Figure 6)			✓
42	Have maps showing the predicted migration of the CoCs through time been provided? (Tier 2 Risk Evaluation)			✓
43	Has the site survey been provided and include all necessary elements? (Appendix A)			✓
44	Have the sampling logs, chain of custody forms, and the analytical data package been included with all required elements? (Appendix B)			✓
45	Is the laboratory performing the analyses properly certified?			✓
46	Has the tax map been included with all necessary elements? (Appendix C)			✓
47	Have the soil boring/field screening logs been provided? (Appendix D)			✓
48	Have the well completion logs, DHEC Form 2099, and DHEC Form 1903 been provided? (Appendix E)			✓
49	Have the aquifer evaluation forms, data, graphs, equations, etc. been provided? (Appendix F)			✓
50	Have the disposal manifests been provided? (Appendix G)			✓
51	Has a copy of the local zoning regulations been provided? (Appendix H)			✓
52	Has all fate and transport modeling been provided? (Appendix I)			✓
53	Have copies of all access agreements obtained by the contractor been provided? (Appendix J)			✓
54	Has a copy of this form been attached to the final report and are explanations for any missing or incomplete data been provided?	✓		

Adam

12430

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter.)

RECEIVED
NOV 24 2025
UST DIVISION

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1852-1

2. Page 1 of 1

3. Generator's Name and Mailing Address
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
Permit# 12430

4. Generator's Phone

5. Transporter 1 Company Name
Emerald, Inc.

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

A. State Transporter's ID
B. Transporter 1 Phone 803-469-5454
C. State Transporter's ID
D. Transporter 2 Phone
E. State Facility's ID
F. Facility's Phone

11. WASTE DESCRIPTION

	12. Container No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater	1	T	5987	gal
b.				
c.				
d.				

UST DOCKETING 97 eah

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Donnie June | Signature | Date Month Day Year: 9 25 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Donnie June | Signature | Date Month Day Year: 9 25 25

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

Printed/Typed Name: Kathy Hodge | Signature: Kathy Hodge | Date Month Day Year: 9 29 25

GENERATOR

TRANSPORTER

FACILITY

LABELMASTER

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite 12 pitch typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No. 1852-2	2. Page 1 of 1

3. Generator's Name and Mailing Address
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
Permit# 12430

4. Generator's Phone

5. Transporter 1 Company Name: Emerald, Inc.
6. US EPA ID Number
A. State Transporter's ID
B. Transporter 1 Phone 803-469-5454

7. Transporter 2 Company Name
8. US EPA ID Number
C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102
10. US EPA ID Number
E. State Facility's ID
F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater	1	T	4020	gal
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Steve Bass
Signature
Date: Month 9 Day 26 Year 25

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Donnie Jones
Signature
Date: Month 9 Day 26 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: Donnie Jones
Signature
Date: Month 9 Day 26 Year 25

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19
Printed/Typed Name: Kathy Hodge
Signature: Kathy Hodge
Date: Month 9 Day 29 Year 25

NON-HAZARDOUS WASTE MANIFEST

DHL-100-0302-3-0

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No. 1852-3	2. Page 1 of

3. Generator's Name and Mailing Address: Westside Quick Stop, 821 West Parker Road, Greenville, South Carolina, Permit# 12430

4. Generator's Phone

5. Transporter 1 Company Name: Emerald, Inc. — 6. US EPA ID Number

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address: City of Manning, Wastewater Treatment Facility, PO Box 546, Manning, SC 29102 — 10. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone: 803-469-5454

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater	1	T	5989	gal
b.				
c.				
d.				

15. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Steve Brown — Signature — Date: Month 9, Day 29, Year 25

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month, Day, Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month, Day, Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Kathy Hodge — Signature — Date: Month 9, Day 29, Year 25

DISTRIBUTION: WHITE - GENERATOR; YELLOW - TRANSPORTER; PINK - DESTINATION

NATIONAL TOLL FREE PAPER RECYCLING HOTLINE 1-800-267-9553 — SOY INK

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. 1852- A

2. Page 1 of 1

3. Generator's Name and Mailing Address
Westside Quick Stop
821 West Parker Road
Greenville, South Carolina
Permit# 12430

4. Generator's Phone

5. Transporter 1 Company Name: Emerald, Inc.

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone 803-469-5454

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
City of Manning
Wastewater Treatment Facility
PO Box 546
Manning, SC 29102

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-Hazardous Petroleum Contaminated Groundwater	1	T	4494	gal
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Steve Brown | Signature | Date: Month 10 Day 1 Year 25

GENERATOR

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Daniel Alexander | Signature | Date: Month 10 Day 1 Year 25

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: Donnie Sims | Signature | Date: Month 10 Day 1 Year 25

TRANSPORTER

19. Discrepancy Indication Space

Donnie Sims

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

Printed/Typed Name: Kathy Hodge | Signature: Kathy Hodge | Date: Month 10 Day 2 Year 25

FACILITY

PLEASE SIGN ALL COPIES AND RETURN

CF14 2002 LABELMASTER 800 621-5808 www.labelmaster.com

ENVIROSOUTH
Environmental Consultants

RECEIVED
DEC 09 2025
UST DIVISION

December 1, 2025

UST 93T DOCKETING

SCDES
UST Management Division
Bureau of Land and Waste Management
2600 Bull Street
Columbia, South Carolina 29201

Attention: Mr. Adam Looper

Re: Site Specific Work Plan
Westside Quick Stop
821 W. Parker Street
Greenville, South Carolina
SCDES UST Permit #112430
EnviroSouth Job No. 3570

Dear Mr. Looper

EnviroSouth, Inc. is pleased to provide you with the attached Site-Specific Work Plan for the above-referenced site.

If you have any questions, please do not hesitate to call.

Sincerely,

EnviroSouth, Inc.
UST Contractor Certification No. 257

William H. Lyons, P.G.
UST Coordinator and Senior Geologist
S.C. Registration No. 2705

attachments

cc: Mr. Ankur Patel

SC DEPARTMENT *of* **ENVIRONMENTAL SERVICES**

Site-Specific Work Plan for Approved ACQAP
Underground Storage Tank Management Division

To: Mr. Adam Looper, P.G. (SCDES Project Manager)
From: Mr. William H. Lyons, P.G. (Contractor Project Manager)
Contractor: EnviroSouth, Inc UST Contractor Certification Number: 257

Facility Name: Westside Quick Stop UST Permit #: 12430
Facility Address: 821 W. Parker Road, Greenville, South Carolina 29611
Responsible Party: Shree Gajvakra, LLC Phone: 864-425-0363
RP Address: 205 Fairway Drive, Laurens, South Carolina 29630
Property Owner (if different): _____
Property Owner Address: _____
Current Use of Property: Gas Station and Convenience Store

Scope of Work (Please check all that apply)

- ☐ IGWA
- ☐ Tier II
- ☐ Groundwater Sampling
- ☐ GAC
- ☐ Tier I
- ☐ Monitoring Well Installation
- ☑ Other Free Product Recovery Rate Testing and AFVR Events

Analyses (Please check all that apply)

Groundwater/Surface Water:

- ☑ BTEXNMDCA (8260D)
- ☑ Oxygenates (8260D)
- ☑ EDB (8011)
- ☐ PAH (8270E)
- ☐ Lead
- ☐ 8 RCRA Metals
- ☐ TPH
- ☐ pH
- ☐ BOD
- ☐ Nitrate
- ☐ Sulfate
- ☐ Other _____
- ☐ Methane
- ☐ Ethanol
- ☐ Dissolved Iron

Drinking Water Supply Wells:

- ☐ BTEXNMDCA (524.2)
- ☐ Oxygenates & Ethanol (8260D)
- ☐ Mercury (200.8, 245.1, or 245.2)
- ☐ RCRA Metals (200.8)
- ☐ EDB (504.1)

Soil:

- ☐ BTEXNM
- ☐ Lead
- ☐ PAH
- ☐ RCRA Metals
- ☐ Oil & Grease (9071B)
- ☐ TPH-DRO (3550C/8015C)
- ☐ TPH-GRO (5030B/8015C)
- ☐ Grain Size
- ☐ TOC

Air:

- ☐ BTEXN

Sample Collection (Estimate the number of samples of each matrix that are expected to be collected.)

_____ Soil	_____ Water Supply Wells	_____ Air	1 Field Blank
10 Monitoring Wells	_____ Surface Water	1 Duplicate	1 Trip Blank

Field Screening Methodology

Estimate number and total completed depth for each point, and include their proposed locations on the attached map.
# of shallow points proposed: _____ Estimated Footage: _____ feet per point
# of deep points proposed: _____ Estimated Footage: _____ feet per point
Field Screening Methodology: _____

Permanent Monitoring Wells

Estimate number and total completed depth for each well, and include their proposed locations on the attached map.
# of shallow wells: _____ Estimated Footage: _____ feet per point
# of deep wells: _____ Estimated Footage: _____ feet per point
# of recovery wells: _____ Estimated Footage: _____ feet per point
Comments, if warranted:
_____
_____

UST Permit #: 12430 Release 1 and 2 Facility Name: Westside Quick Stop

Implementation Schedule (Number of calendar days from approval)
Field Work Start-Up: 5 Field Work Completion: 60
Report Submittal: 90 # of Copies Provided to Property Owners: _____

Aquifer Characterization
Pump Test: ☐ Slug Test: ☐ (Check one and provide explanation below for choice)

Investigation Derived Waste Disposal
Soil: _____ Tons Purge Water: _____ Gallons
Drilling Fluids: _____ Gallons Free-Phase Product: _____ Gallons

Additional Details For This Scope of Work
For example, list wells to be sampled, wells to be abandoned/repaired, well pads/bolts/caps to replace, details of AFVR event, etc.
See attached

Compliance With Annual Contractor Quality Assurance Plan (ACQAP)
Y Laboratory as indicated in ACQAP? (Yes/No) If no, indicate laboratory information below.
Name of Laboratory: _____
SCDES Certification Number: _____
Name of Laboratory Director: _____

N/A Well Driller as indicated in ACQAP? (Yes/No) If no, indicate driller information below.
Name of Well Driller: _____
SCLLR Certification Number: _____

N/A Other variations from ACQAP. Please describe below.

Attachments
1. Attach a copy of the relevant portion of the USGS topographic map showing the site location.
2. Prepare a site base map. This map must be accurately scaled, but does not need to be surveyed. The map must include the following:
   - North Arrow
   - Location of property lines
   - Location of buildings
   - Previous soil sampling locations
   - Previous monitoring well locations
   - Proposed soil boring locations
   - Proposed monitoring well locations
   - Legend with facility name and address, UST permit number, and bar scale
   - Streets or highways (indicate names and numbers)
   - Location of all present and former ASTs and USTs
   - Location of all potential receptors
3. Assessment Component Cost Agreement

SCOPE OF SERVICES

The purpose of the Site-Specific Work Plan (SSWP), scope of services, and cost agreements is to describe how EnviroSouth plans to implement and evaluate the effectiveness of free-product gauging and 8-hour Aggressive Fluid Vapor Recovery (AFVR) events. After free-product gauging and 8-hour AFVR events, EnviroSouth will communicate with the SCDES regarding our recommendations for achieving closure ("Conditional No Further Action) for both releases at the site

- Submit SSWP, scope of services, and cost agreements detailing reallocation of funds.

- For a period of eight (8) weeks, perform free-product gauging at monitoring wells MW-01 and MW-24 as well as recovery wells RW-01, RW-02, RW-03, RW-04, RW-05, RW-06, RW-07, and RW-08. 2-inch absorbent socks have been placed in wells MW-01 and MW-24. 4-inch absorbent socks have been placed in recovery wells RW-01, RW-02, RW-03, RW-04, RW-05, RW-06, RW-07, and RW-08. The socks will be removed from the wells weekly, wrung out in a 55-gallon drum, and placed back in the corresponding well. Socks will be replaced monthly.

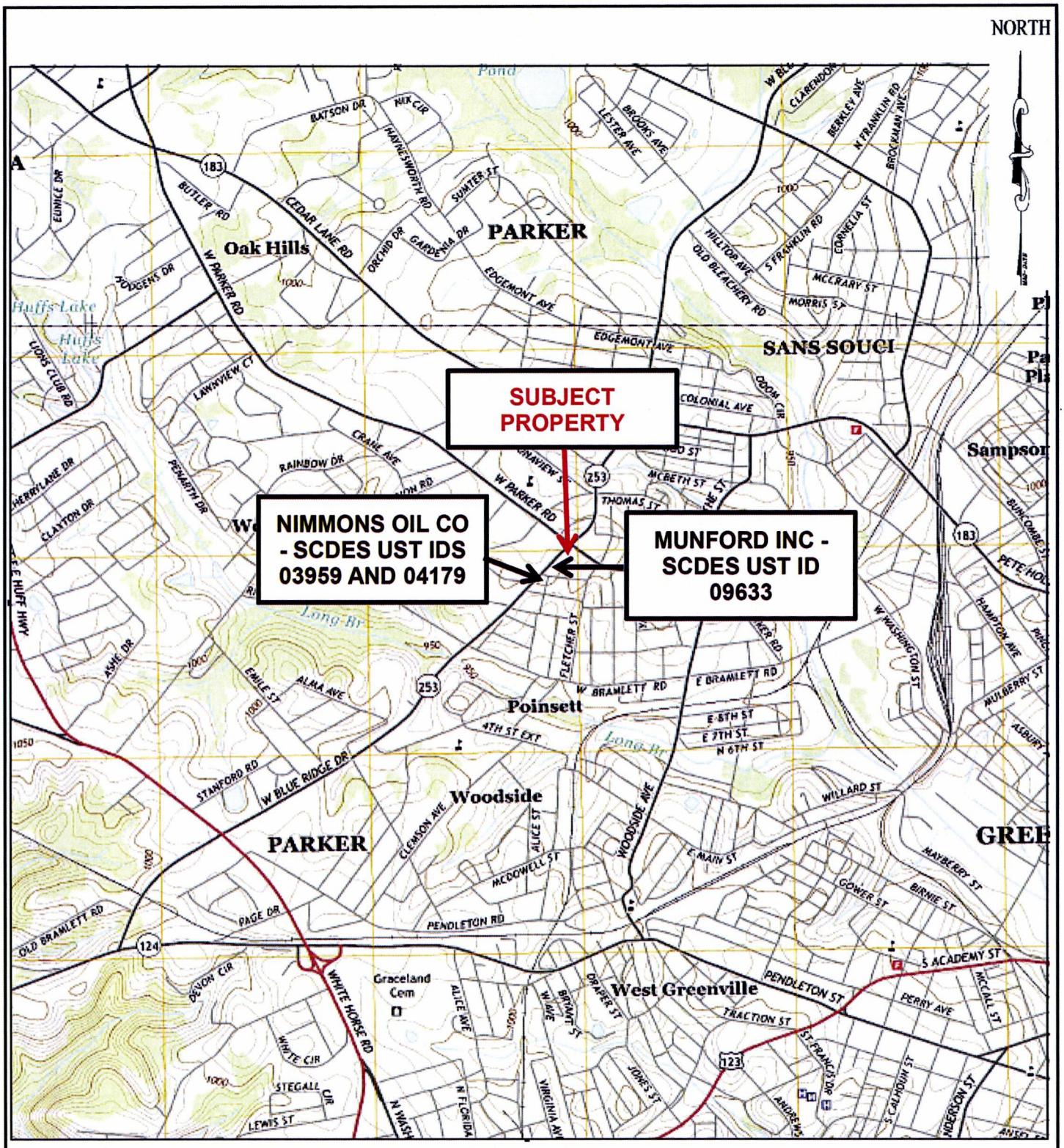
- A free-phase product recovery rate test will be performed utilizing recovery wells MW-05 and RW-08 on a weekly basis for six (6) weeks. The free-phase product recovery rate test will be performed using a peristaltic pump. Peristaltic tubing will be installed using a float so that the tubing rests on top of the free-phase product.

- Perform five (5) 8-hour AFVR events utilizing wells RW-05 and RW-08. Well RW-02 will be used as the observation well. The AFVR stinger will be set at the free-phase product and groundwater interface zone to achieve greater product recovery during the 8-hour AFVR events. The 8-hour AFVR events will be performed on a bi-weekly basis.

- Approximately two (2) weeks following the last 8-hour AFVR event, a limited sampling event will be performed. The wells to be gauged and sampled during the sampling event are wells MW-01, MW-14, MW-24, MW-X, RW-01, RW-02, RW-03, RW-05, RW-06, and RW-07 along with one (1) duplicate, one (1) field blank, and one (1) trip blank. The samples will be shipped to a certified South Carolina laboratory (Pace Analytical) and analyzed for benzene, toluene, ethylbenzene, xylene, methyl-tert-butyl ether, naphthalene, 1,2-dichloroethane, and oxygenates by EPA Method 8260 and 1,2-diboromoethane by EPA Method 8011. The trip blank will be analyzed for EPA Method 8260 compounds only. Dispose of investigation-derived purge water.

- Submit a report documenting free-product gauging, free-product recovery rates, AFVR event results, and sampling results.

EnviroSouth, Inc. intends to use the free-product gauging, free-product recovery rate tests, AFVR event results, and sampling results to determine if this approach is effective in removing free-product in the UST basin or if the Corrective Action Plan needs to be revised so that the releases at the site can be issued a "Conditional No Further Action".



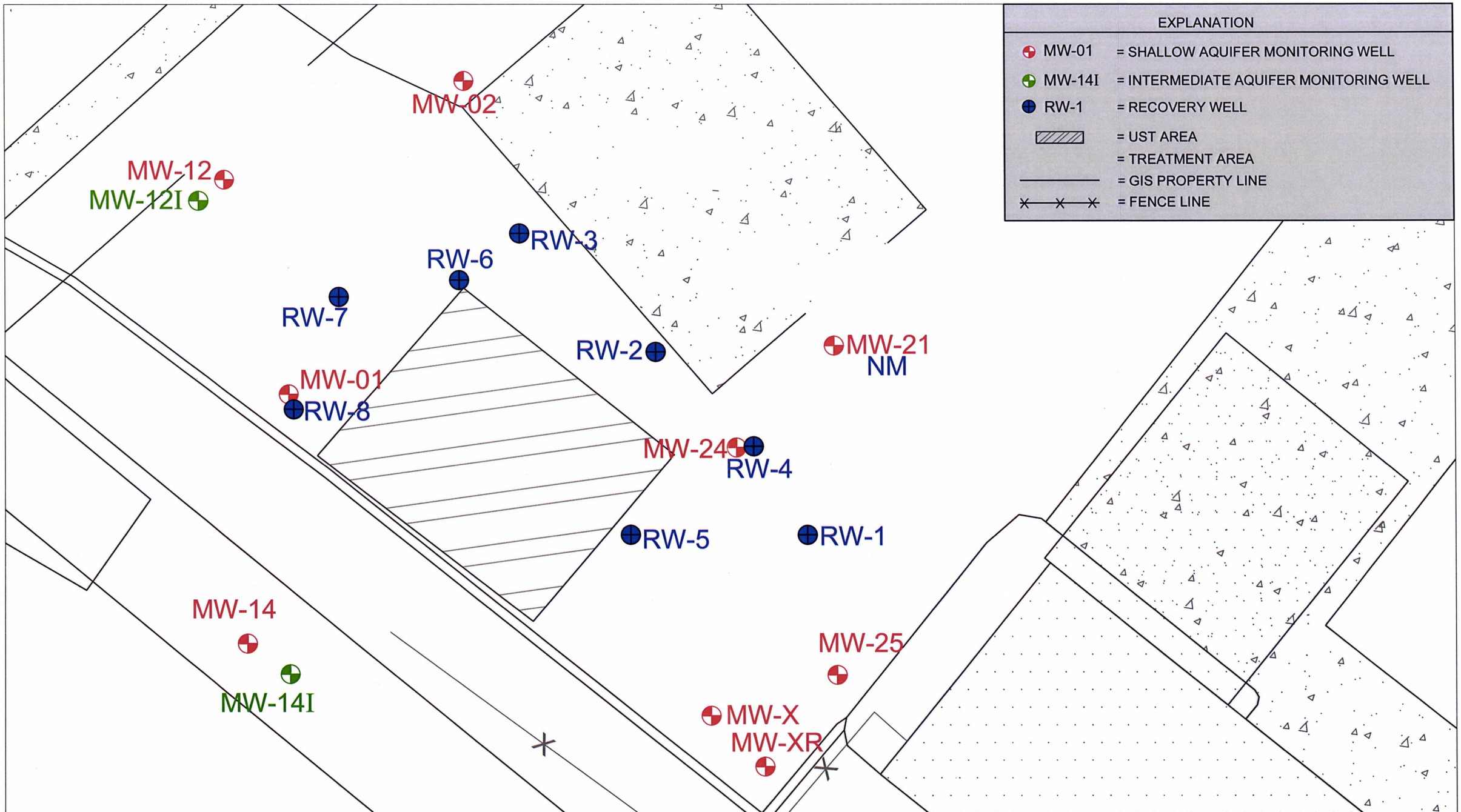
SOURCE: USGS 7.5' QUADRANGLE MAP 2014, GREENVILLE, SC

ENVIROSOUTH
Environmental Consultants

SITE VICINITY MAP

COMMERCIAL PROPERTY
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA
SCDES UST ID NO. 12430

JOB NO.: 3570	CHECKED BY: KM	FIGURE: 1
SCALE: NOT SHOWN	DRAWN BY: BD	DATE: 11/21/2024



DWG: CONSTRUCTION SUPPORT SERVICES 2019 SURVEY	DATE 06/20/2025	DRAWN BY BD	CHECKED BY TFD	SCALE AS SHOWN	JOB NO. 3570	FIGURE 2

ENVIROSOUTH Environmental Consultants

SITE MAP - INTERIM SAMPLING

WESTSIDE QUICK STOP
821 W. PARKER ROAD
GREENVILLE, SOUTH CAROLINA

ASSESSMENT COMPONENT COST AGREEMENT

South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: **Westside Quick Stop**

UST Permit #: 12430 **Cost Agreement #:** 69805

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.2 Site-specific Work Plan		each	$183.22		$0.00
2.2 Tax Map		each	$85.50		$0.00
3.2 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey					
1.1 Receptor Survey		each	$673.06		$0.00
C. Survey					
1.2 Comprehensive Survey		each	$1,270.36		$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)		each	$1,111.57		$0.00
D. Mob/Demob					
1.2 Equipment		each	$1,245.93		$0.00
2.2 Personnel		each	$516.69		$0.00
3.2 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings					
1.1 Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)					
1.2 Standard		per foot	$33.50		$0.00
2.2 Fractured Rock		per foot	$41.40		$0.00
G.					
H. Well Abandonment					
1.2 2" diameter or less		per foot	$3.79		$0.00
2.2 Greater than 2" to 6" diameter		per foot	$5.50		$0.00
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. Well Installation (In accordance with R.61-71)					
1.2 Water Table (hand augered)		per foot	$31.40		$0.00
2.B Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.2 Telescoping		per foot	$84.70		$0.00
4.2 Rock Drilling		per foot	$81.80		$0.00
5.2 2" Rock Coring		per foot	$88.50		$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.2 Recovery Well (4" diameter)		per foot	$69.60		$0.00
9.2 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.2 Re-develop Existing Well		per foot	$13.44		$0.00
J. Groundwater Sample Collection / Gauging Depth to Water/Product					
1.2 Groundwater Purge		per well	$73.29		$0.00
2.2 Air or Vapors		sample	$14.66		$0.00

3.2 Water Supply Sample		sample	$26.87		$0.00
4.1A HydraSleeve		sample	$34.20		$0.00
4.2B No-purge Groundwater Sample/Surface water		sample	$57.24		$0.00
5.2 Gauge Well only	60	sample	$8.55		$513.00
6.2 Sample Below Product		sample	$14.66		$0.00
7.2 Passive Diffusion Bag		sample	$31.75		$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Blanks		sample	$30.06		$0.00
9.2 Groundwater (low flow purge)		sample	$111.16		$0.00
10.2 Equipment Blank		sample	$30.06		$0.00
11.1 Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)		per sample	$149.02		$0.00
2.2 Lead, Filtered		per sample	$16.85		$0.00
3.2 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.2 PAH's		per sample	$74.02		$0.00
6.2 Lead		per sample	$19.54		$0.00
7.2 EDB by EPA 8011		per sample	$55.21		$0.00
8.2 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.2 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.2 EDB (504.1)		per sample	$97.11		$0.00
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH-GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00
K. Analyses-Air					
25.2 BTEX + Naphthalene		per sample	$263.84		$0.00
K. Hydrocarbon Fuel Identification					
27.1 C3-C44 Whole Oil (ASTM D3328)		per sample	$465.93		$0.00
28.1 Fuel Oxygenates (1624 Mod)		per sample	$398.39		$0.00
29.1 ALKYL Leads, EDB MMT (8080)		per sample	$398.39		$0.00
30.1 C8-C40 Full Scan (ASTM 5739)		per sample	$629.64		$0.00
31.1 Simulated Distillation (ASTM 2887)		per sample	$398.39		$0.00
32.1 Parent & Alk. PAH Com. (8270 SIM)		per sample	$723.63		$0.00
33.1 C3-C10 Piano (8260 MOD)		per sample	$599.88		$0.00

34.1 C10+Alkane Fingerprints		per sample	$599.88		$0.00
35.1 Expert Data Interpretation & Report		each	$595.30		$0.00
L. Aquifer Characterization					
1.2 Pumping Test		per hour	$28.09		$0.00
2.2 Slug Test		per test	$233.31		$0.00
3.2 Fractured Rock		per test	$122.15		$0.00
M. Free Product					
1.1 Free Product Recovery Rate Test	6	each	$46.42		$278.52
N.					
O. Risk Evaluation					
1.2 Tier I Risk Evaluation		each	$366.45		$0.00
2.2 Tier II Risk Evaluation		each	$122.15		$0.00
P. Survey					
1.1 Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)					
1.2 Wastewater		gallon	$1.19		$0.00
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal		ton	$156.25		$0.00
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.2 Southeast Region		standard	$12,622.56		$0.00
2.2 All Other Counties		standard	$13,844.06		$0.00
U. IGWA (Use DHEC 3666 form)					
1.2 Southeast Region		standard	$4,353.67		$0.00
2.2 All Other Counties		standard	$4,720.01		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.2 8-hour Event	2.5	per event	$1,787.40		$4,468.50
2.1 24-hour Event		per event	$4,407.78		$0.00
3.1 48-hour Event		per event	$7,242.29		$0.00
4.1 96-hour Event	-0.78125	per event	$14,482.28		($11,314.28)
5.1 Off-gas Treatment 8 hour	2.5	per event	$141.17		$352.93
6.2 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour	-0.78125	per event	$898.84		($702.22)
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00
10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance	1	each	$302.40		$302.40
15.1 Additional Hook-ups		each	$29.68		$0.00
16.2 AFVR Effluent Disposal	938.53	gallon	$0.53		$497.42

17.2 AFVR Mobilization/Demobilization	2.5	each	$777.60		$1,944.00
18.1 Mobilization for absorbents/skimmers	6	each	$516.69		$3,100.14
19.1 Well sock 2" ID well	3	each	$36.94		$110.82
20.1 Well sock 4" ID well	9	each	$49.03		$441.27
21.1 pad (per pad)		each	$49.95		$0.00
22.1 3" diameter x 10' length boom		each	$108.00		$0.00
23.1 5" diameter x 10' length boom		each	$132.84		$0.00
24.1 New FPP recovery skimmer (2" wells)		each	$791.10		$0.00
25.1 New FPP recovery skimmer (4" wells)		each	$1,247.40		$0.00
26.1 Refurbished FPP recovery skimmer (2" or 4" wells)		each	$760.32		$0.00
27.1 Disposal of Absorbents		pound	$4.10		$0.00
28.1 Disposal of product from skimmers	15	gallon	$0.50		$7.50
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.2 New GAC System Installation		each	$2,320.86		$0.00
2.2 Refurbished GAC Sys. Install		each	$1,099.35		$0.00
3.2 Filter replacement/removal		each	$427.53		$0.00
4.2 GAC System removal, cleaning, & refurbishment		each	$335.92		$0.00
5.2 GAC System housing		each	$305.38		$0.00
6.2 In-line particulate filter		each	$183.22		$0.00
7.2 Additional piping & fittings		foot	$1.84		$0.00
Y. Well Repair					
1.2 Additional Copies of the Report Delivered		each	$61.07		$0.00
2.2 Repair 2x2 MW pad		each	$61.07		$0.00
3.2 Repair 4x4 MW pad		each	$107.49		$0.00
4.2 Replace well vault		each	$144.14		$0.00
5.2 Replace well cover bolts		each	$3.18		$0.00
6.2 Replace locking well cap & lock		each	$18.32		$0.00
7.2 Replace/Repair stick-up		each	$163.68		$0.00
8.2 Convert Flush-mount to Stick-up		each	$183.22		$0.00
9.2 Convert Stick-up to Flush-mount		each	$158.79		$0.00
10.2 Replace missing/illegible well ID plate		each	$14.66		$0.00
11.1 Down-hole Camera		per foot	$29.25		$0.00
Z. High Resolution Site Characterization					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	($0.00)		($0.00)
TOTAL					($0.00)

ASSESSMENT COMPONENT COST AGREEMENT

South Carolina Department of Health and Environmental Control
Underground Storage Tank Management Division
State Underground Petroleum Environmental Response Bank Account
August 9, 2023

Facility Name: **Westside Quick Stop**

UST Permit #: 12430 **Cost Agreement #:** 69806

ITEM	QUANTITY	UNIT	UNIT PRICE		TOTAL
A. Plan Preparation					
1.2 Site-specific Work Plan		each	$183.22		$0.00
2.2 Tax Map		each	$85.50		$0.00
3.2 QAPP Contractor Addendum (App B)		each	$250.00		$0.00
B. Survey					
1.1 Receptor Survey		each	$673.06		$0.00
C. Survey					
1.2 Comprehensive Survey		each	$1,270.36		$0.00
5.1 Ground Penetrating Radar Survey (100 x 100)		each	$1,111.57		$0.00
D. Mob/Demob					
1.2 Equipment		each	$1,245.93		$0.00
2.2 Personnel		each	$516.69		$0.00
3.2 Adverse Terrain Vehicle		each	$610.75		$0.00
E. Soil Borings					
1.1 Soil Borings (hand auger)		foot	$21.80		$0.00
F. Soil Borings (requiring equipment, push technology, etc) or Field Screening (including sampling and analyst)					
1.2 Standard		per foot	$33.50		$0.00
2.2 Fractured Rock		per foot	$41.40		$0.00
G.					
H. Well Abandonment					
1.2 2" diameter or less		per foot	$3.79		$0.00
2.2 Greater than 2" to 6" diameter		per foot	$5.50		$0.00
3.2 Dug/Bored well (up to 6 feet diameter)		per foot	$18.32		$0.00
I. Well Installation (In accordance with R.61-71)					
1.2 Water Table (hand augered)		per foot	$31.40		$0.00
2.B Water Table (drill rig) 2" Diameter		per foot	$54.90		$0.00
2.2 Single-cased 2" Diameter Monitoring Well >50ft		per foot	$59.80		$0.00
3.2 Telescoping		per foot	$84.70		$0.00
4.2 Rock Drilling		per foot	$81.80		$0.00
5.2 2" Rock Coring		per foot	$88.50		$0.00
6.2 Multi-sampling ports/screens		per foot	$59.40		$0.00
7.2 Recovery Well (4" diameter)		per foot	$69.60		$0.00
9.2 Rotosonic (2" diameter)		per foot	$119.00		$0.00
10.2 Re-develop Existing Well		per foot	$13.44		$0.00
J. Groundwater Sample Collection / Gauging Depth to Water/Product					
1.2 Groundwater Purge		per well	$73.29		$0.00
2.2 Air or Vapors		sample	$14.66		$0.00

3.2 Water Supply Sample		sample	$26.87		$0.00
4.1A HydraSleeve		sample	$34.20		$0.00
4.2B No-purge Groundwater Sample/Surface water		sample	$57.24		$0.00
5.2 Gauge Well only	60	sample	$8.55		$513.00
6.2 Sample Below Product		sample	$14.66		$0.00
7.2 Passive Diffusion Bag		sample	$31.75		$0.00
8.2 Field Duplicates (MWs & WSWs) and Field Blanks		sample	$30.06		$0.00
9.2 Groundwater (low flow purge)		sample	$111.16		$0.00
10.2 Equipment Blank		sample	$30.06		$0.00
11.1 Sample Product		per well	$52.66		$0.00
K. Laboratory Analyses-Groundwater					
1.2 BTEXNM+Oxyg's+1,2 DCA+Eth(8260D)		per sample	$149.02		$0.00
2.2 Lead, Filtered		per sample	$16.85		$0.00
3.2 Rush EPA Method 8260B		per sample	$187.62		$0.00
4.2 Trimethal, Butyl, and Isopropyl Benzenes		per sample	$34.20		$0.00
5.2 PAH's		per sample	$74.02		$0.00
6.2 Lead		per sample	$19.54		$0.00
7.2 EDB by EPA 8011		per sample	$55.21		$0.00
8.2 EDB by EPA Method 8011 Rush		per sample	$83.31		$0.00
9.2 8 RCRA Metals		per sample	$77.45		$0.00
10.2 TPH (9070)		per sample	$50.09		$0.00
11.2 PH		per sample	$6.35		$0.00
12.2 BOD		per sample	$24.42		$0.00
13.2 Ethanol		per sample	$18.08		$0.00
K. Analyses-Drinking Water					
14.2 BTEXNM+1,2 DCA (524.2)		per sample	$151.52		$0.00
15.2 7-OXYGENATES & ETHANOL (8260D)		per sample	$112.07		$0.00
16.2 EDB (504.1)		per sample	$97.11		$0.00
17.2 RCRA METALS (200.8)		per sample	$122.15		$0.00
K. Analyses-Soil					
18.2 BTEX + Naphth.		per sample	$78.18		$0.00
19.2 PAH's		per sample	$78.22		$0.00
20.2 8 RCRA Metals		per sample	$68.89		$0.00
21.2 TPH-DRO (3550C/8015C)		per sample	$48.86		$0.00
22.2 TPH-GRO (5035B/8015C)		per sample	$43.92		$0.00
23.2 Grain size/hydrometer		per sample	$127.04		$0.00
24.2 Total Organic Carbon		per sample	$37.38		$0.00
K. Analyses-Air					
25.2 BTEX + Naphthalene		per sample	$263.84		$0.00
K. Hydrocarbon Fuel Identification					
27.1 C3-C44 Whole Oil (ASTM D3328)		per sample	$465.93		$0.00
28.1 Fuel Oxygenates (1624 Mod)		per sample	$398.39		$0.00
29.1 ALKYL Leads, EDB MMT (8080)		per sample	$398.39		$0.00
30.1 C8-C40 Full Scan (ASTM 5739)		per sample	$629.64		$0.00
31.1 Simulated Distillation (ASTM 2887)		per sample	$398.39		$0.00
32.1 Parent & Alk. PAH Com. (8270 SIM)		per sample	$723.63		$0.00
33.1 C3-C10 Piano (8260 MOD)		per sample	$599.88		$0.00

34.1 C10+Alkane Fingerprints		per sample	$599.88		$0.00
35.1 Expert Data Interpretation & Report		each	$595.30		$0.00
L. Aquifer Characterization					
1.2 Pumping Test		per hour	$28.09		$0.00
2.2 Slug Test		per test	$233.31		$0.00
3.2 Fractured Rock		per test	$122.15		$0.00
M. Free Product					
1.1 Free Product Recovery Rate Test	6	each	$46.42		$278.52
N.					
O. Risk Evaluation					
1.2 Tier I Risk Evaluation		each	$366.45		$0.00
2.2 Tier II Risk Evaluation		each	$122.15		$0.00
P. Survey					
1.1 Subsequent Survey		each	$297.65		$0.00
Q. Disposal (gallons or tons)					
1.2 Wastewater		gallon	$1.19		$0.00
2.2 Free Product		gallon	$1.63		$0.00
3.2 Soil Treatment/Disposal		ton	$156.25		$0.00
4.2 Drilling fluids		gallon	$1.25		$0.00
R. Miscellaneous (attach receipts)					
		each	$0.00		$0.00
		each	$0.00		$0.00
		each	$0.00		$0.00
T. Tier I Assessment (Use DHEC 3665 form)					
1.2 Southeast Region		standard	$12,622.56		$0.00
2.2 All Other Counties		standard	$13,844.06		$0.00
U. IGWA (Use DHEC 3666 form)					
1.2 Southeast Region		standard	$4,353.67		$0.00
2.2 All Other Counties		standard	$4,720.01		$0.00
22. Active Correction Action		PFP	Bid Cost		$0.00
W. Aggressive Fluid & Vapor Recovery (AFVR)					
1.2 8-hour Event	2.5	per event	$1,787.40		$4,468.50
2.1 24-hour Event		per event	$4,407.78		$0.00
3.1 48-hour Event		per event	$7,242.29		$0.00
4.1 96-hour Event	-0.78125	per event	$14,482.28		($11,314.28)
5.1 Off-gas Treatment 8 hour	2.5	per event	$141.17		$352.93
6.2 Off-gas Treatment 24 hour		per event	$294.30		$0.00
7.2 Off-gas Treatment 48 hour		per event	$386.10		$0.00
8.1 Off-gas Treatment 96 hour	-0.78125	per event	$898.84		($702.22)
9.1 Off-gas Treatment 8 hour (w/chlorinated compounds)		per event	$464.40		$0.00
10.1 Off-gas Treatment 24 hour (w/chlorinated compounds)		per event	$540.00		$0.00
11.1 Off-gas Treatment 48 hour (w/chlorinated compounds)		per event	$1,080.00		$0.00
12.1 Off-gas Treatment 96 hour (w/chlorinated compounds)		per event	$2,160.00		$0.00
13.2 AFVR Effluent Disposal(w/chlorinated compounds)		gallon	$0.64		$0.00
14.2 AFVR Site Reconnaissance	1	each	$302.40		$302.40
15.1 Additional Hook-ups		each	$29.68		$0.00
16.2 AFVR Effluent Disposal	938.53	gallon	$0.53		$497.42

17.2 AFVR Mobilization/Demobilization	2.5	each	$777.60		$1,944.00
18.1 Mobilization for absorbents/skimmers	6	each	$516.69		$3,100.14
19.1 Well sock 2" ID well	3	each	$36.94		$110.82
20.1 Well sock 4" ID well	9	each	$49.03		$441.27
21.1 pad (per pad)		each	$49.95		$0.00
22.1 3" diameter x 10' length boom		each	$108.00		$0.00
23.1 5" diameter x 10' length boom		each	$132.84		$0.00
24.1 New FPP recovery skimmer (2" wells)		each	$791.10		$0.00
25.1 New FPP recovery skimmer (4" wells)		each	$1,247.40		$0.00
26.1 Refurbished FPP recovery skimmer (2" or 4" wells)		each	$760.32		$0.00
27.1 Disposal of Absorbents		pound	$4.10		$0.00
28.1 Disposal of product from skimmers	15	gallon	$0.50		$7.50
X. Granulated Activated Carbon (GAC) filter system installation & service:					
1.2 New GAC System Installation		each	$2,320.86		$0.00
2.2 Refurbished GAC Sys. Install		each	$1,099.35		$0.00
3.2 Filter replacement/removal		each	$427.53		$0.00
4.2 GAC System removal, cleaning, & refurbishment		each	$335.92		$0.00
5.2 GAC System housing		each	$305.38		$0.00
6.2 In-line particulate filter		each	$183.22		$0.00
7.2 Additional piping & fittings		foot	$1.84		$0.00
Y. Well Repair					
1.2 Additional Copies of the Report Delivered		each	$61.07		$0.00
2.2 Repair 2x2 MW pad		each	$61.07		$0.00
3.2 Repair 4x4 MW pad		each	$107.49		$0.00
4.2 Replace well vault		each	$144.14		$0.00
5.2 Replace well cover bolts		each	$3.18		$0.00
6.2 Replace locking well cap & lock		each	$18.32		$0.00
7.2 Replace/Repair stick-up		each	$163.68		$0.00
8.2 Convert Flush-mount to Stick-up		each	$183.22		$0.00
9.2 Convert Stick-up to Flush-mount		each	$158.79		$0.00
10.2 Replace missing/illegible well ID plate		each	$14.66		$0.00
11.1 Down-hole Camera		per foot	$29.25		$0.00
Z. High Resolution Site Characterization					
1.1 HRSC Screening Equipment Mobilization		each	$1,468.80		$0.00
2.1 HRSC Drilling Category 1		per foot	$31.32		$0.00
3.1 HRSC Drilling Category 2		per foot	$36.18		$0.00
4.1 HRSC Drilling Category 3		per foot	$29.16		$0.00
5.1 HRSC 3-D Model		each	$4,363.20		$0.00
S. Report Prep & Project Management	12%	percent	($0.00)		($0.00)
TOTAL					($0.00)

SC DEPARTMENT *of*
ENVIRONMENTAL SERVICES

Adam Looper, P.G.
Corrective Action & Quality Assurance Section
Underground Storage Tank Management Division
2600 Bull Street
Columbia, SC 29201

SHREE GAJVAKRA LLC
205 FAIRWAY DR
LAURENS SC 29360

FEB 26 2026

UST 94 DOCKETING

Re: **Corrective Action Site Specific Work Plan Review**
Westside Quick Stop, 821 W Parker Rd, Greenville, SC
UST Permit #12430; CA #69805; CA #69806
Release #1 reported June 7, 2012
Release #2 reported October 23, 2012
SSWP received December 9, 2025
Greenville County

To Whom It May Concern:

The Underground Storage Tank Management Division (UST Division) of the S.C. Department of Environmental Services (SCDES) has reviewed the referenced Site Specific Work Plan documenting proposed adjustments to the Corrective Action Plan and reallocation of funding.

The SSWP is approved. A report documenting the FP gauging and recovery should be submitted following the events.

On all correspondence regarding this site, please reference the UST Permit number above. Should you have any questions, please contact me by phone at (803) 898-0631, by fax at (803) 898-0673, or by email at Adam.Looper@des.sc.gov.

Sincerely,

Adam Looper, P.G., Hydrogeologist

cc: EnviroSouth, Inc., 3440 Augusta Rd, Greenville, SC 29605
Westside Quik Shop, Inc., 809 W Parker Rd, Greenville, SC 29611
Quincy Hoffer, UST Management Division
Technical File