

Hit Summary Sheet
SW-846

SDG No.: Q3277
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: Q3277-01	WC1 WC1	SOIL	Methylene Chloride	4.00	J	3.60	10.2	ug/Kg
			Total Voc :	4.00				
			Total Concentration:	4.00				



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	97.6
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032348.D	1	10/03/25 13:00	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.20	U	1.20	5.10	ug/Kg
74-87-3	Chloromethane	1.20	U	1.20	5.10	ug/Kg
75-01-4	Vinyl Chloride	0.81	U	0.81	5.10	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.10	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.10	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.10	ug/Kg
67-64-1	Acetone	4.80	U	4.80	25.5	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.74	U	0.74	5.10	ug/Kg
79-20-9	Methyl Acetate	1.60	U	1.60	5.10	ug/Kg
75-09-2	Methylene Chloride	4.00	J	3.60	10.2	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.88	U	0.88	5.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.82	U	0.82	5.10	ug/Kg
110-82-7	Cyclohexane	0.81	U	0.81	5.10	ug/Kg
78-93-3	2-Butanone	6.70	U	6.70	25.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.99	U	0.99	5.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.77	U	0.77	5.10	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.10	ug/Kg
67-66-3	Chloroform	0.86	U	0.86	5.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.95	U	0.95	5.10	ug/Kg
108-87-2	Methylcyclohexane	0.93	U	0.93	5.10	ug/Kg
71-43-2	Benzene	0.81	U	0.81	5.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.81	U	0.81	5.10	ug/Kg
79-01-6	Trichloroethene	0.83	U	0.83	5.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.93	U	0.93	5.10	ug/Kg
75-27-4	Bromodichloromethane	0.80	U	0.80	5.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.70	U	3.70	25.5	ug/Kg
108-88-3	Toluene	0.80	U	0.80	5.10	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	97.6
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032348.D	1	10/03/25 13:00	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.66	U	0.66	5.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.63	U	0.63	5.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.94	U	0.94	5.10	ug/Kg
591-78-6	2-Hexanone	3.80	U	3.80	25.5	ug/Kg
124-48-1	Dibromochloromethane	0.89	U	0.89	5.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.10	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.10	ug/Kg
108-90-7	Chlorobenzene	0.93	U	0.93	5.10	ug/Kg
100-41-4	Ethyl Benzene	0.68	U	0.68	5.10	ug/Kg
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.2	ug/Kg
95-47-6	o-Xylene	0.84	U	0.84	5.10	ug/Kg
100-42-5	Styrene	0.72	U	0.72	5.10	ug/Kg
75-25-2	Bromoform	0.88	U	0.88	5.10	ug/Kg
98-82-8	Isopropylbenzene	0.80	U	0.80	5.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.90	U	1.90	5.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	64.3		63 - 155	129%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		70 - 134	111%	SPK: 50
2037-26-5	Toluene-d8	54.0		74 - 123	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		17 - 146	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	7.965			
540-36-3	1,4-Difluorobenzene	429000	8.855			
3114-55-4	Chlorobenzene-d5	435000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.556			

Report of Analysis

Client:	G Environmental		Date Collected:	09/30/25	
Project:	Newport		Date Received:	10/02/25	
Client Sample ID:	WC1		SDG No.:	Q3277	
Lab Sample ID:	Q3277-01		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	97.6	
Sample Wt/Vol:	5.02	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10	
GC Column:	RXI-624	ID : 0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032348.D	1	10/03/25 13:00	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: Q3277

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3277-01	WC1	1,2-Dichloroethane-d4	50	64.3	129		63	155
		Dibromofluoromethane	50	55.5	111		70	134
		Toluene-d8	50	54.0	108		74	123
		4-Bromofluorobenzene	50	53.6	107		17	146
VW1003SBL01	VW1003SBL01	1,2-Dichloroethane-d4	50	62.5	125		63	155
		Dibromofluoromethane	50	53.4	107		70	134
		Toluene-d8	50	53.6	107		74	123
		4-Bromofluorobenzene	50	50.9	102		17	146
VW1003SBS01	VW1003SBS01	1,2-Dichloroethane-d4	50	50.6	101		63	155
		Dibromofluoromethane	50	49.6	99		70	134
		Toluene-d8	50	51.3	103		74	123
		4-Bromofluorobenzene	50	50.0	100		17	146
VW1003SBSD0	VW1003SBSD01	1,2-Dichloroethane-d4	50	51.2	102		63	155
		Dibromofluoromethane	50	51.3	103		70	134
		Toluene-d8	50	53.0	106		74	123
		4-Bromofluorobenzene	50	52.4	105		17	146

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3277	SW-846	Analytical Method:	SW8260D
Client:	G Environmental		Datafile :	VW032341.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1003SBS01	Dichlorodifluoromethane	20	20.6	ug/Kg	103			64	136	
	Chloromethane	20	19.4	ug/Kg	97			52	151	
	Vinyl chloride	20	22.0	ug/Kg	110			56	148	
	Bromomethane	20	20.9	ug/Kg	104			58	141	
	Chloroethane	20	20.8	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	20.1	ug/Kg	101			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103			81	123	
	1,1-Dichloroethene	20	21.5	ug/Kg	108			79	121	
	Acetone	100	110	ug/Kg	110			40	171	
	Carbon disulfide	20	21.4	ug/Kg	107			59	130	
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105			77	129	
	Methyl Acetate	20	18.5	ug/Kg	93			69	149	
	Methylene Chloride	20	23.3	ug/Kg	117			72	131	
	trans-1,2-Dichloroethene	20	20.9	ug/Kg	104			80	123	
	1,1-Dichloroethane	20	20.8	ug/Kg	104			82	123	
	Cyclohexane	20	20.5	ug/Kg	103			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	20.9	ug/Kg	104			76	129	
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103			82	123	
	Bromochloromethane	20	20.3	ug/Kg	102			80	127	
	Chloroform	20	21.5	ug/Kg	108			82	125	
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108			80	126	
	Methylcyclohexane	20	20.3	ug/Kg	102			77	123	
	Benzene	20	20.7	ug/Kg	104			84	121	
	1,2-Dichloroethane	20	20.8	ug/Kg	104			81	126	
	Trichloroethene	20	20.9	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	20.5	ug/Kg	103			83	122	
	Bromodichloromethane	20	20.6	ug/Kg	103			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	21.1	ug/Kg	106			83	122	
	t-1,3-Dichloropropene	20	20.1	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			81	122	
	1,1,2-Trichloroethane	20	21.2	ug/Kg	106			82	125	
	2-Hexanone	100	100	ug/Kg	100			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	20.9	ug/Kg	104			80	125	
	Tetrachloroethene	20	20.4	ug/Kg	102			83	125	
	Chlorobenzene	20	20.6	ug/Kg	103			84	122	
	Ethyl Benzene	20	20.9	ug/Kg	104			82	124	
	m/p-Xylenes	40	42.0	ug/Kg	105			83	124	
	o-Xylene	20	20.4	ug/Kg	102			83	123	
	Styrene	20	21.1	ug/Kg	106			82	124	
	Bromoform	20	19.6	ug/Kg	98			75	127	
	Isopropylbenzene	20	20.6	ug/Kg	103			82	124	
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100			77	127	
	1,3-Dichlorobenzene	20	20.5	ug/Kg	103			83	122	
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104			84	121	
	1,2-Dichlorobenzene	20	20.8	ug/Kg	104			83	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3277</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW032341.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	
									High	RPD
VW1003SBS01	1,2-Dibromo-3-Chloropropane	20	19.0	ug/Kg	95			66	134	
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102			78	127	
	1,2,3-Trichlorobenzene	20	20.9	ug/Kg	104			70	137	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q3277	SW-846	Analytical Method:	SW8260D
Client:	G Environmental		Datafile :	VW032342.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1003SBSD01	Dichlorodifluoromethane	20	20.9	ug/Kg	104	1		64	136	20
	Chloromethane	20	19.8	ug/Kg	99	2		52	151	20
	Vinyl chloride	20	21.9	ug/Kg	110	0		56	148	20
	Bromomethane	20	21.6	ug/Kg	108	4		58	141	20
	Chloroethane	20	21.1	ug/Kg	106	2		69	130	20
	Trichlorofluoromethane	20	22.6	ug/Kg	113	11		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104	1		81	123	20
	1,1-Dichloroethene	20	21.1	ug/Kg	106	2		79	121	20
	Acetone	100	100	ug/Kg	100	10		40	171	20
	Carbon disulfide	20	21.5	ug/Kg	108	1		59	130	20
	Methyl tert-butyl Ether	20	21.5	ug/Kg	108	3		77	129	20
	Methyl Acetate	20	19.4	ug/Kg	97	4		69	149	20
	Methylene Chloride	20	23.5	ug/Kg	117	0		72	131	20
	trans-1,2-Dichloroethene	20	21.3	ug/Kg	106	2		80	123	20
	1,1-Dichloroethane	20	21.4	ug/Kg	107	3		82	123	20
	Cyclohexane	20	20.8	ug/Kg	104	1		76	122	20
	2-Butanone	100	100	ug/Kg	100	0		69	131	20
	Carbon Tetrachloride	20	22.2	ug/Kg	111	7		76	129	20
	cis-1,2-Dichloroethene	20	21.2	ug/Kg	106	3		82	123	20
	Bromochloromethane	20	20.4	ug/Kg	102	0		80	127	20
	Chloroform	20	21.7	ug/Kg	109	1		82	125	20
	1,1,1-Trichloroethane	20	21.9	ug/Kg	110	2		80	126	20
	Methylcyclohexane	20	21.1	ug/Kg	106	4		77	123	20
	Benzene	20	21.5	ug/Kg	108	4		84	121	20
	1,2-Dichloroethane	20	21.4	ug/Kg	107	3		81	126	20
	Trichloroethene	20	21.7	ug/Kg	109	5		83	122	20
	1,2-Dichloropropane	20	21.2	ug/Kg	106	3		83	122	20
	Bromodichloromethane	20	20.9	ug/Kg	104	1		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	10		70	135	20
	Toluene	20	21.4	ug/Kg	107	1		83	122	20
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103	2		78	124	20
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	1		81	122	20
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106	0		82	125	20
	2-Hexanone	100	110	ug/Kg	110	10		66	138	20
	Dibromochloromethane	20	21.2	ug/Kg	106	3		79	125	20
	1,2-Dibromoethane	20	20.8	ug/Kg	104	0		80	125	20
	Tetrachloroethene	20	20.5	ug/Kg	103	1		83	125	20
	Chlorobenzene	20	20.9	ug/Kg	104	1		84	122	20
	Ethyl Benzene	20	20.9	ug/Kg	104	0		82	124	20
	m/p-Xylenes	40	42.1	ug/Kg	105	0		83	124	20
	o-Xylene	20	20.4	ug/Kg	102	0		83	123	20
	Styrene	20	21.2	ug/Kg	106	0		82	124	20
	Bromoform	20	19.5	ug/Kg	98	0		75	127	20
	Isopropylbenzene	20	20.4	ug/Kg	102	1		82	124	20
	1,1,2,2-Tetrachloroethane	20	19.9	ug/Kg	100	0		77	127	20
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	1		83	122	20
	1,4-Dichlorobenzene	20	20.7	ug/Kg	104	0		84	121	20
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	5		83	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3277</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VW032342.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VW1003SBSD01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98	3		66	134	20
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100	2		78	127	20
	1,2,3-Trichlorobenzene	20	19.8	ug/Kg	99	5		70	137	20

VOLATILE METHOD BLANK SUMMARY

Client ID

VW1003SBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab File ID: VW032340.D

Lab Sample ID: VW1003SBL01

Date Analyzed: 10/03/2025

Time Analyzed: 09:40

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_W

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VW1003SBS01	VW1003SBS01	VW032341.D	10/03/2025
VW1003SBSD01	VW1003SBSD01	VW032342.D	10/03/2025
WC1	Q3277-01	VW032348.D	10/03/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab File ID: VW032312.D

BFB Injection Date: 10/01/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:12

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	66.2
175	5.0 - 9.0% of mass 174	5.3 (8) 1
176	95.0 - 101.0% of mass 174	63.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC005	VSTDIC005	VW032313.D	10/01/2025	13:12
VSTDIC010	VSTDIC010	VW032314.D	10/01/2025	13:34
VSTDIC020	VSTDIC020	VW032315.D	10/01/2025	14:15
VSTDIC050	VSTDIC050	VW032316.D	10/01/2025	14:37
VSTDIC100	VSTDIC100	VW032317.D	10/01/2025	14:59
VSTDIC150	VSTDIC150	VW032318.D	10/01/2025	15:20

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab File ID: VW032338.D

BFB Injection Date: 10/03/2025

Instrument ID: MSVOA_W

BFB Injection Time: 08:39

GC Column: RXI-624 ID: 0.25 (mm)

Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.0 (0.0) 1
174	50.0 - 100.0% of mass 95	64
175	5.0 - 9.0% of mass 174	5.2 (8.2) 1
176	95.0 - 101.0% of mass 174	60.8 (95.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VW032339.D	10/03/2025	09:13
VW1003SBL01	VW1003SBL01	VW032340.D	10/03/2025	09:40
VW1003SBS01	VW1003SBS01	VW032341.D	10/03/2025	10:09
VW1003SBSD01	VW1003SBSD01	VW032342.D	10/03/2025	10:31
WC1	Q3277-01	VW032348.D	10/03/2025	13:00

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q3277
 Lab File ID: VW032339.D Date Analyzed: 10/03/2025
 Instrument ID: MSVOA_W Time Analyzed: 09:13
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	275706	7.96	492762	8.85	456443	11.63
UPPER LIMIT	551412	8.459	985524	9.349	912886	12.129
LOWER LIMIT	137853	7.459	246381	8.349	228222	11.129
EPA SAMPLE NO.						
WC1	196016	7.97	428903	8.86	434848	11.64
VW1003SBL01	187187	7.97	423770	8.85	435697	11.64
VW1003SBS01	278007	7.96	517265	8.85	472342	11.63
VW1003SBSD01	280986	7.96	514655	8.86	480184	11.64

IS1 = Pentafluorobenzene
 IS2 = 1,4-Difluorobenzene
 IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3277</u>
Lab File ID:	<u>VW032339.D</u>	Date Analyzed:	<u>10/03/2025</u>
Instrument ID:	<u>MSVOA_W</u>	Time Analyzed:	<u>09:13</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>Y</u>

	IS4 AREA #	RT #				
12 HOUR STD	225457	13.556				
UPPER LIMIT	450914	14.056				
LOWER LIMIT	112729	13.056				
EPA SAMPLE NO.						
WC1	211297	13.56				
VW1003SBL01	203854	13.56				
VW1003SBS01	234620	13.56				
VW1003SBSD01	244340	13.56				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
 AREA LOWER LIMIT = -50% of internal standard area
 RT UPPER LIMIT = +0.50 minutes of internal standard RT
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
 * Values outside of QC limits.



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	VW1003SBL01	SDG No.:	Q3277
Lab Sample ID:	VW1003SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032340.D	1	10/03/25 09:40	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	VW1003SBL01	SDG No.:	Q3277
Lab Sample ID:	VW1003SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032340.D	1	10/03/25 09:40	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.5		63 - 155	125%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		70 - 134	107%	SPK: 50
2037-26-5	Toluene-d8	53.6		74 - 123	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		17 - 146	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	7.965			
540-36-3	1,4-Difluorobenzene	424000	8.849			
3114-55-4	Chlorobenzene-d5	436000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	204000	13.556			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	VW1003SBL01		SDG No.:	Q3277
Lab Sample ID:	VW1003SBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032340.D	1	10/03/25 09:40	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	VW1003SBS01		SDG No.:	Q3277
Lab Sample ID:	VW1003SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032341.D	1	10/03/25 10:09	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	22.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.9		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.8		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.1		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.6		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.5		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.8		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.5		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.5		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.5		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.6		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	VW1003SBS01		SDG No.:	Q3277
Lab Sample ID:	VW1003SBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032341.D	1	10/03/25 10:09	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.1		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.9		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.4		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.6		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.82	5.00	ug/Kg
100-42-5	Styrene	21.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.6		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.5		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.9		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	51.3		74 - 123	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		17 - 146	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.959			
540-36-3	1,4-Difluorobenzene	517000	8.849			
3114-55-4	Chlorobenzene-d5	472000	11.629			
3855-82-1	1,4-Dichlorobenzene-d4	235000	13.556			

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	VW1003SBS01	SDG No.:	Q3277
Lab Sample ID:	VW1003SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032341.D	1	10/03/25 10:09	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Newport			Date Received:	
Client Sample ID:	VW1003SBSD01			SDG No.:	Q3277
Lab Sample ID:	VW1003SBSD01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032342.D	1	10/03/25 10:31	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.9		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.1		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	22.6		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.9		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	21.1		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	21.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.5		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.3		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	22.2		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.4		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	21.9		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	21.1		0.91	5.00	ug/Kg
71-43-2	Benzene	21.5		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.4		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	21.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.2		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	21.4		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Newport			Date Received:	
Client Sample ID:	VW1003SBSD01			SDG No.:	Q3277
Lab Sample ID:	VW1003SBSD01			Matrix:	SOIL
Analytical Method:	8260D			% Solid:	100
Sample Wt/Vol:	5	Units:	g	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID :	0.25	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032342.D	1	10/03/25 10:31	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.2		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.8		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.1		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.4		0.82	5.00	ug/Kg
100-42-5	Styrene	21.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.4		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.9		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.8		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.2		63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	53.0		74 - 123	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.4		17 - 146	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	281000	7.959			
540-36-3	1,4-Difluorobenzene	515000	8.855			
3114-55-4	Chlorobenzene-d5	480000	11.635			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.556			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	VW1003SBSD01		SDG No.:	Q3277
Lab Sample ID:	VW1003SBSD01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VW032342.D	1	10/03/25 10:31	VW100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG No.: Q3277

Instrument ID: MSVOA_W

Calibration Date(s): 10/01/2025 10/01/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 13:12 15:20

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF005 = VW032313.D		RRF010 = VW032314.D		RRF020 = VW032315.D		RRF050 = VW032316.D		RRF100 = VW032317.D		RRF150 = VW032318.D	
COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD				
Dichlorodifluoromethane		0.347	0.343	0.345	0.264	0.284	0.299	0.314	11.5				
Chloromethane		0.532	0.527	0.516	0.418	0.450	0.463	0.484	9.7				
Vinyl Chloride		0.625	0.636	0.606	0.529	0.533	0.538	0.578	8.6				
Bromomethane		0.483	0.472	0.435	0.382	0.391	0.386	0.425	10.6				
Chloroethane		0.405	0.409	0.394	0.356	0.365	0.361	0.382	6.3				
Trichlorofluoromethane		0.426	0.453	0.430	0.418	0.422	0.447	0.433	3.3				
1,1,2-Trichlorotrifluoroethane		0.609	0.569	0.524	0.465	0.469	0.478	0.519	11.5				
1,1-Dichloroethene		0.588	0.608	0.595	0.521	0.534	0.535	0.564	6.7				
Acetone		0.235	0.230	0.209	0.183	0.174	0.181	0.202	13.1				
Carbon Disulfide		1.581	1.583	1.581	1.442	1.517	1.521	1.538	3.7				
Methyl tert-butyl Ether		1.087	1.161	1.150	1.069	1.094	1.099	1.110	3.3				
Methyl Acetate		0.478	0.597	0.612	0.624	0.567	0.592	0.578	9.1				
Methylene Chloride		1.280	1.052	0.811	0.631	0.630	0.625	0.838	32.6				
trans-1,2-Dichloroethene		0.649	0.640	0.636	0.589	0.613	0.617	0.624	3.6				
1,1-Dichloroethane		1.238	1.261	1.244	1.132	1.169	1.172	1.203	4.3				
Cyclohexane		1.228	1.108	1.042	0.911	0.931	0.939	1.027	12.1				
2-Butanone		0.271	0.293	0.286	0.262	0.262	0.277	0.275	4.6				
Carbon Tetrachloride		0.446	0.441	0.427	0.403	0.434	0.429	0.430	3.5				
cis-1,2-Dichloroethene		0.768	0.763	0.766	0.716	0.740	0.744	0.749	2.7				
Bromochloromethane		0.566	0.588	0.583	0.547	0.553	0.557	0.566	2.9				
Chloroform		1.257	1.275	1.271	1.146	1.191	1.178	1.220	4.5				
1,1,1-Trichloroethane		0.906	0.910	0.896	0.816	0.835	0.822	0.864	5.1				
Methylcyclohexane		0.585	0.542	0.529	0.521	0.568	0.561	0.551	4.5				
Benzene		1.518	1.494	1.440	1.345	1.424	1.373	1.432	4.7				
1,2-Dichloroethane		0.487	0.497	0.472	0.442	0.461	0.453	0.469	4.4				
Trichloroethene		0.354	0.348	0.330	0.312	0.339	0.329	0.335	4.5				
1,2-Dichloropropane		0.370	0.371	0.363	0.341	0.355	0.346	0.358	3.4				
Bromodichloromethane		0.507	0.517	0.500	0.480	0.513	0.500	0.503	2.6				
4-Methyl-2-Pentanone		0.289	0.325	0.318	0.312	0.314	0.317	0.313	3.9				
Toluene		0.909	0.905	0.897	0.857	0.908	0.876	0.892	2.4				

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>GENV01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3277</u>
Instrument ID: <u>MSVOA_W</u>	Calibration Date(s): <u>10/01/2025</u> <u>10/01/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>13:12</u> <u>15:20</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID: RRF005 = VW032313.D RRF010 = VW032314.D RRF020 = VW032315.D RRF050 = VW032316.D RRF100 = VW032317.D RRF150 = VW032318.D								
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.451	0.482	0.469	0.478	0.525	0.523	0.488	6.1
cis-1,3-Dichloropropene	0.531	0.571	0.550	0.544	0.591	0.584	0.562	4.2
1,1,2-Trichloroethane	0.304	0.307	0.295	0.280	0.293	0.285	0.294	3.6
2-Hexanone	0.202	0.225	0.226	0.219	0.223	0.228	0.220	4.4
Dibromochloromethane	0.317	0.327	0.334	0.326	0.355	0.343	0.334	4
1,2-Dibromoethane	0.286	0.295	0.288	0.278	0.285	0.287	0.287	2
Tetrachloroethene	0.327	0.325	0.299	0.278	0.287	0.279	0.299	7.3
Chlorobenzene	1.159	1.140	1.109	1.028	1.094	1.070	1.100	4.3
Ethyl Benzene	1.822	1.861	1.843	1.734	1.897	1.845	1.834	3
m/p-Xylenes	0.704	0.720	0.715	0.668	0.730	0.705	0.707	3
o-Xylene	0.632	0.665	0.653	0.637	0.701	0.678	0.661	3.9
Styrene	1.090	1.143	1.199	1.124	1.186	1.186	1.155	3.7
Bromoform	0.179	0.207	0.192	0.189	0.202	0.209	0.196	6
Isopropylbenzene	3.316	3.159	3.364	3.327	3.645	3.714	3.421	6.2
1,1,2,2-Tetrachloroethane	0.867	0.867	0.851	0.808	0.833	0.869	0.849	2.9
1,3-Dichlorobenzene	1.765	1.650	1.625	1.600	1.658	1.722	1.670	3.7
1,4-Dichlorobenzene	1.839	1.673	1.700	1.548	1.661	1.597	1.670	6
1,2-Dichlorobenzene	1.541	1.549	1.557	1.402	1.467	1.540	1.509	4.1
1,2-Dibromo-3-Chloropropane	0.146	0.144	0.150	0.146	0.147	0.160	0.149	3.8
1,2,4-Trichlorobenzene	0.956	0.842	0.865	0.833	0.938	0.997	0.905	7.5
1,2,3-Trichlorobenzene	0.893	0.818	0.839	0.810	0.864	0.895	0.853	4.3
1,2-Dichloroethane-d4	0.738	0.758	0.765	0.695	0.714	0.706	0.729	4
Dibromofluoromethane	0.331	0.335	0.327	0.306	0.331	0.311	0.324	3.8
Toluene-d8	1.182	1.204	1.166	1.193	1.231	1.194	1.195	1.8
4-Bromofluorobenzene	0.472	0.449	0.436	0.448	0.459	0.446	0.452	2.8

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3277</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>10/03/2025 09:13</u>
Lab File ID:	<u>VW032339.D</u>	Init. Calib. Date(s):	<u>10/01/2025 10/01/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:12 15:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.314	0.269		-14.33	20
Chloromethane	0.484	0.432	0.1	-10.74	20
Vinyl Chloride	0.578	0.608		5.19	20
Bromomethane	0.425	0.429		0.94	20
Chloroethane	0.382	0.391		2.36	20
Trichlorofluoromethane	0.433	0.421		-2.77	20
1,1,2-Trichlorotrifluoroethane	0.519	0.538		3.66	20
1,1-Dichloroethene	0.564	0.597		5.85	20
Acetone	0.202	0.204		0.99	20
Carbon Disulfide	1.538	1.668		8.45	20
Methyl tert-butyl Ether	1.110	1.205		8.56	20
Methyl Acetate	0.578	0.511		-11.59	20
Methylene Chloride	0.838	0.766		-8.59	20
trans-1,2-Dichloroethene	0.624	0.668		7.05	20
1,1-Dichloroethane	1.203	1.257	0.1	4.49	20
Cyclohexane	1.027	1.029		0.19	20
2-Butanone	0.275	0.272		-1.09	20
Carbon Tetrachloride	0.430	0.470		9.3	20
cis-1,2-Dichloroethene	0.749	0.794		6.01	20
Bromochloromethane	0.566	0.570		0.71	20
Chloroform	1.220	1.334		9.34	20
1,1,1-Trichloroethane	0.864	0.943		9.14	20
Methylcyclohexane	0.551	0.611		10.89	20
Benzene	1.432	1.568		9.5	20
1,2-Dichloroethane	0.469	0.510		8.74	20
Trichloroethene	0.335	0.355		5.97	20
1,2-Dichloropropane	0.358	0.391		9.22	20
Bromodichloromethane	0.503	0.560		11.33	20
4-Methyl-2-Pentanone	0.313	0.340		8.63	20
Toluene	0.892	0.993		11.32	20
t-1,3-Dichloropropene	0.488	0.547		12.09	20
cis-1,3-Dichloropropene	0.562	0.617		9.79	20
1,1,2-Trichloroethane	0.294	0.320		8.84	20
2-Hexanone	0.220	0.236		7.27	20
Dibromochloromethane	0.334	0.355		6.29	20
1,2-Dibromoethane	0.287	0.307		6.97	20
Tetrachloroethene	0.299	0.302		1	20
Chlorobenzene	1.100	1.173	0.3	6.64	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3277</u>
Instrument ID:	<u>MSVOA_W</u>	Calibration Date/Time:	<u>10/03/2025 09:13</u>
Lab File ID:	<u>VW032339.D</u>	Init. Calib. Date(s):	<u>10/01/2025 10/01/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Init. Calib. Time(s):	<u>13:12 15:20</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.834	2.040		11.23	20
m/p-Xylenes	0.707	0.787		11.31	20
o-Xylene	0.661	0.744		12.56	20
Styrene	1.155	1.279		10.74	20
Bromoform	0.196	0.204	0.1	4.08	20
Isopropylbenzene	3.421	3.711		8.48	20
1,1,2,2-Tetrachloroethane	0.849	0.873	0.3	2.83	20
1,3-Dichlorobenzene	1.670	1.791		7.25	20
1,4-Dichlorobenzene	1.670	1.667		-0.18	20
1,2-Dichlorobenzene	1.509	1.625		7.69	20
1,2-Dibromo-3-Chloropropane	0.149	0.146		-2.01	20
1,2,4-Trichlorobenzene	0.905	0.946		4.53	20
1,2,3-Trichlorobenzene	0.853	0.869		1.88	20
1,2-Dichloroethane-d4	0.729	0.718		-1.51	20
Dibromofluoromethane	0.324	0.329		1.54	20
Toluene-d8	1.195	1.239		3.68	20
4-Bromofluorobenzene	0.452	0.467		3.32	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032348.D
 Acq On : 03 Oct 2025 13:00
 Operator : SY/MD
 Sample : Q3277-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC1

Quant Time: Oct 04 05:02:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

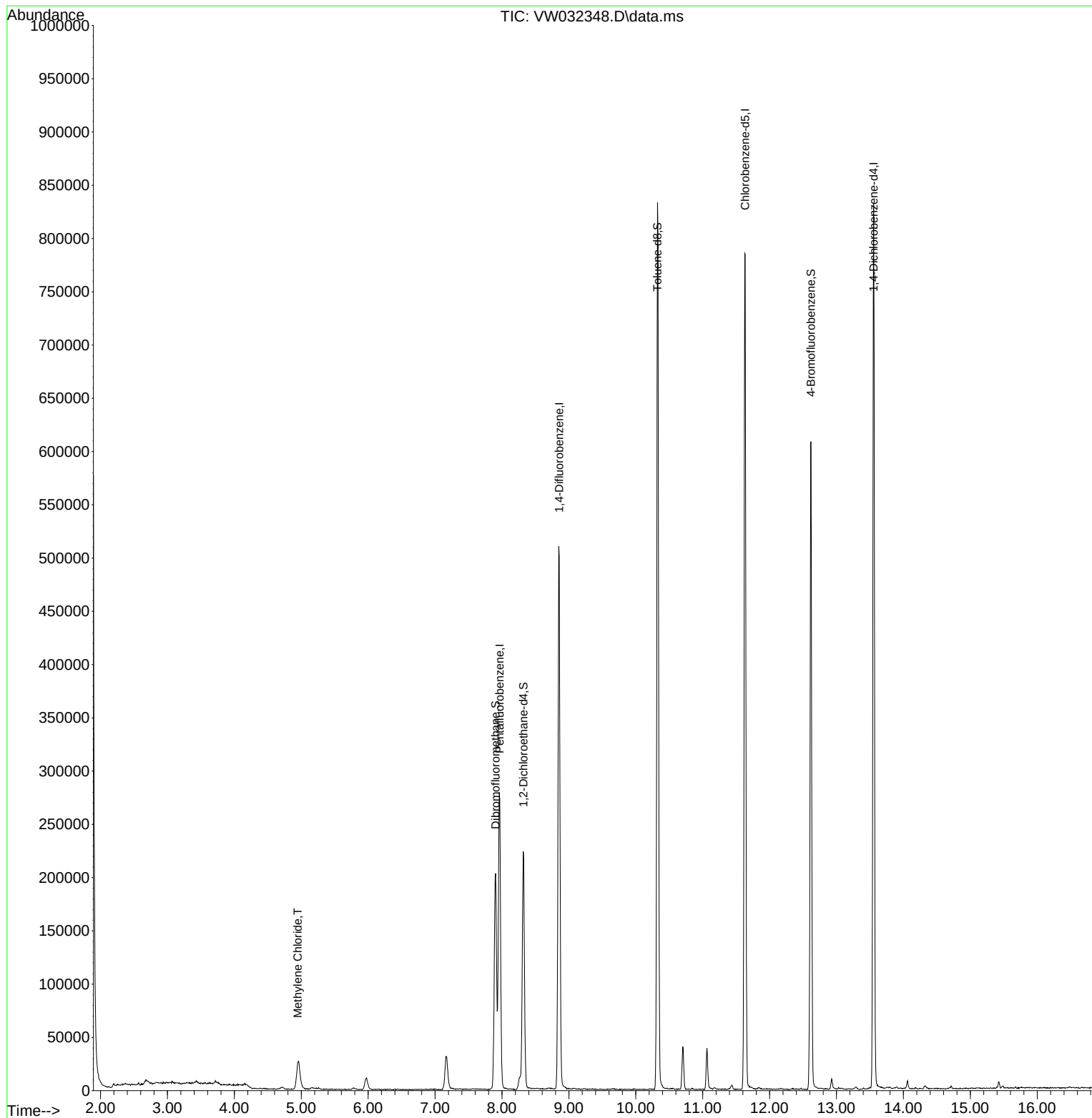
Internal Standards						
1) Pentafluorobenzene	7.965	168	196016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	428903	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	434848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	211297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	183925	64.332	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	128.660%	
35) Dibromofluoromethane	7.904	113	154238	55.529	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	111.060%	
50) Toluene-d8	10.325	98	553678	54.009	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	108.020%	
62) 4-Bromofluorobenzene	12.617	95	207893	53.653	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	107.300%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.947	84	23258	3.951	ug/l	95

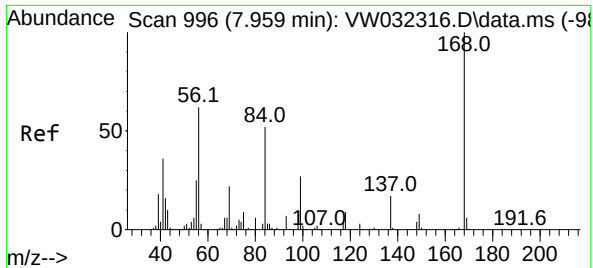
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032348.D
Acq On : 03 Oct 2025 13:00
Operator : SY/MD
Sample : Q3277-01
Misc : 5.02g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Time: Oct 04 05:02:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

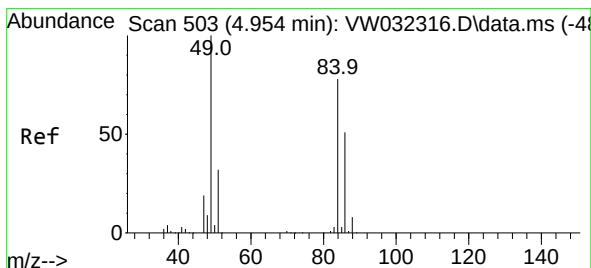
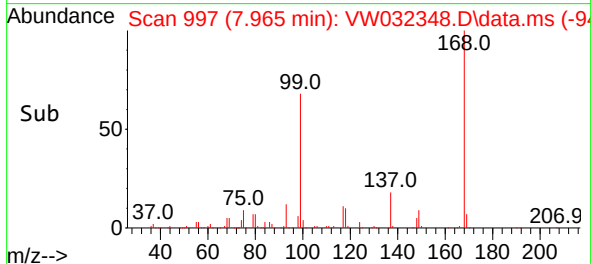
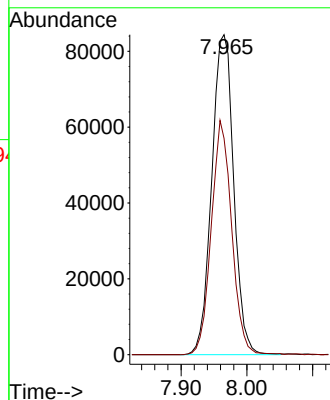
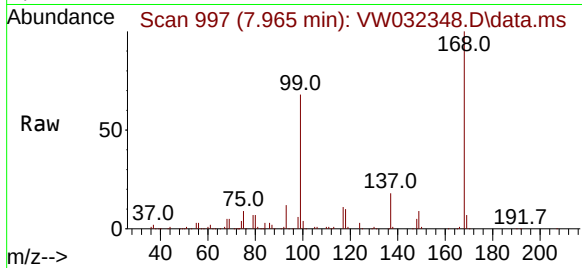




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

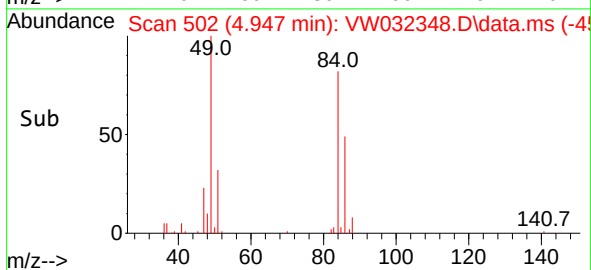
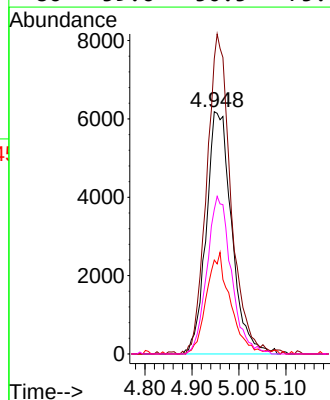
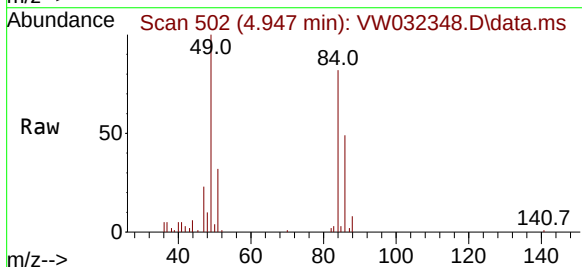
Instrument :
MSVOA_W
ClientSampleId :
WC1

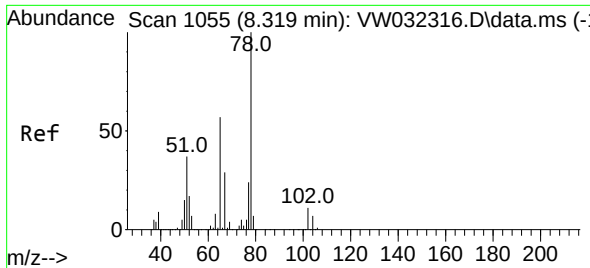
Tgt Ion:168 Resp: 196016
Ion Ratio Lower Upper
168 100
99 67.6 49.3 73.9



#20
Methylene Chloride
Concen: 3.951 ug/l
RT: 4.947 min Scan# 502
Delta R.T. -0.013 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion: 84 Resp: 23258
Ion Ratio Lower Upper
84 100
49 121.9 92.2 138.4
51 38.8 31.0 46.6
86 59.6 50.5 75.7

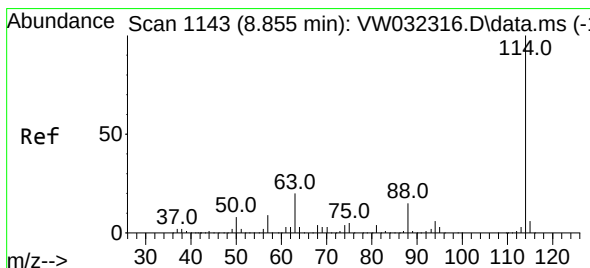
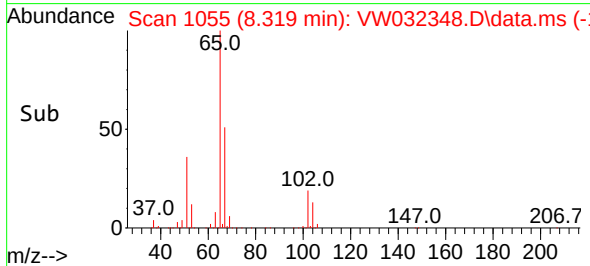
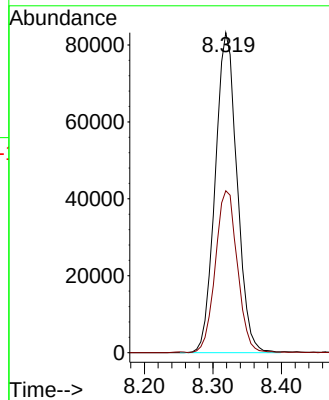
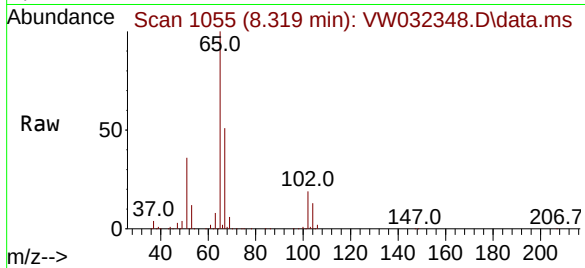




#33
1,2-Dichloroethane-d4
Concen: 64.332 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

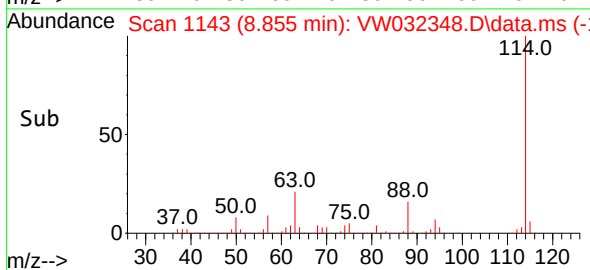
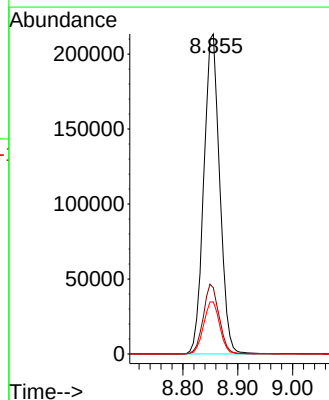
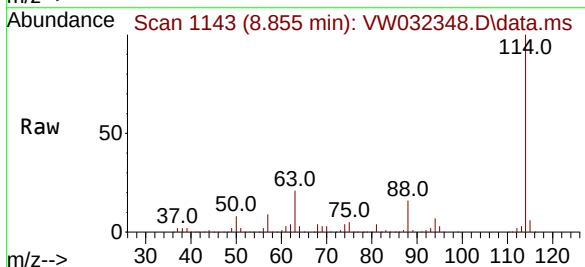
Instrument :
MSVOA_W
ClientSampleId :
WC1

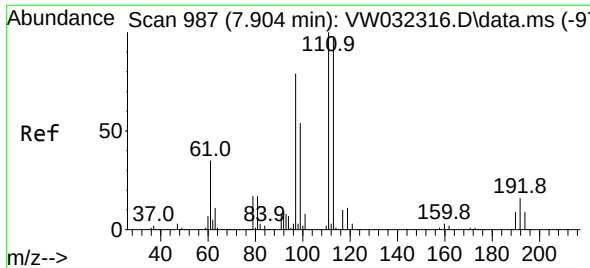
Tgt Ion: 65 Resp: 183925
Ion Ratio Lower Upper
65 100
67 51.1 0.0 99.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion: 114 Resp: 428903
Ion Ratio Lower Upper
114 100
63 20.7 0.0 40.4
88 16.3 0.0 32.0

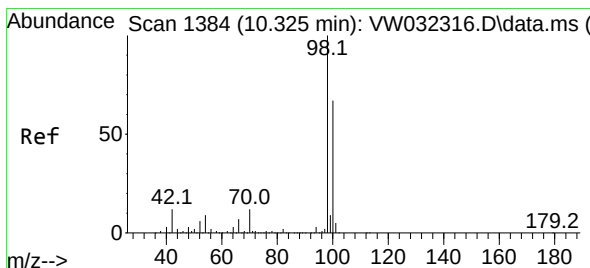
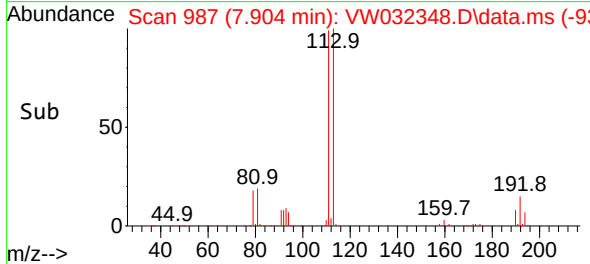
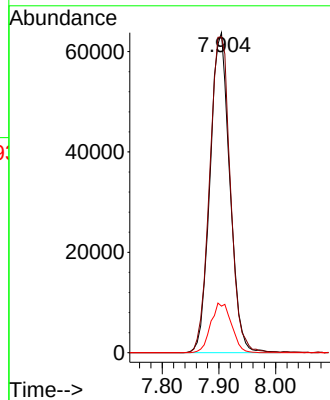
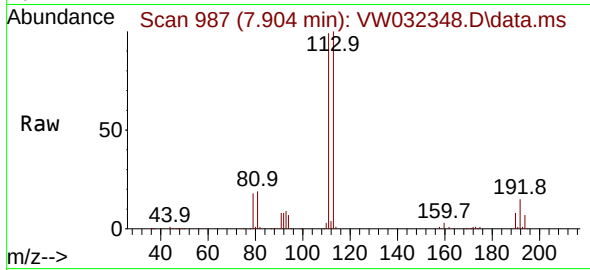




#35
Dibromofluoromethane
Concen: 55.529 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

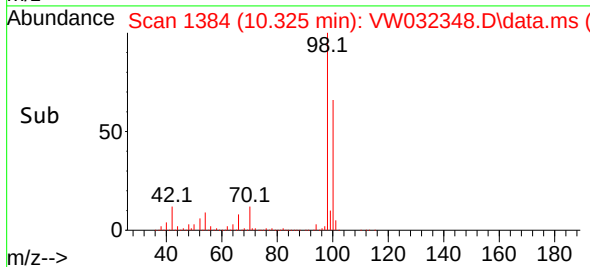
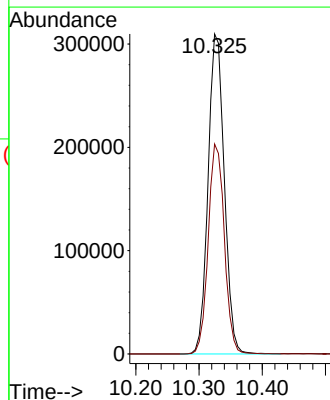
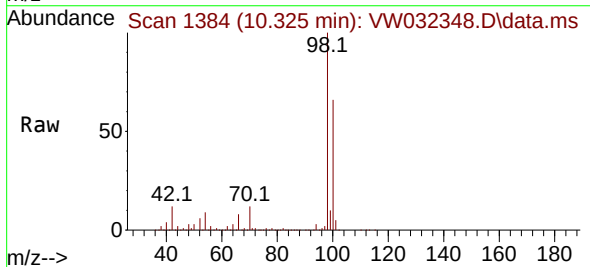
Instrument :
MSVOA_W
ClientSampleId :
WC1

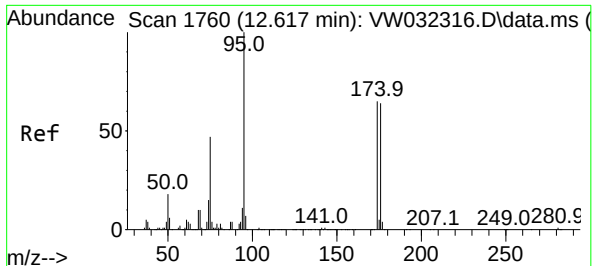
Tgt Ion:113 Resp: 154238
Ion Ratio Lower Upper
113 100
111 103.4 83.9 125.9
192 16.3 14.6 21.8



#50
Toluene-d8
Concen: 54.009 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032348.D
Acq: 03 Oct 2025 13:00

Tgt Ion: 98 Resp: 553678
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2





#62

4-Bromofluorobenzene

Concen: 53.653 ug/l

RT: 12.617 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW032348.D

Acq: 03 Oct 2025 13:00

Instrument :

MSVOA_W

ClientSampleId :

WC1

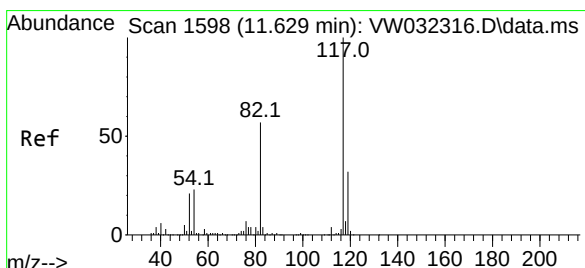
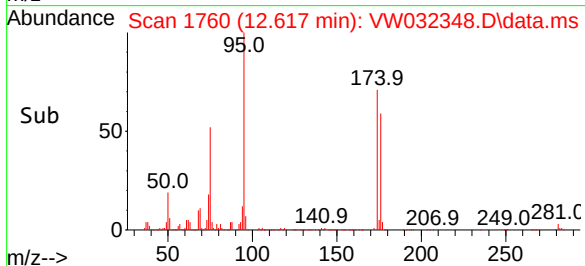
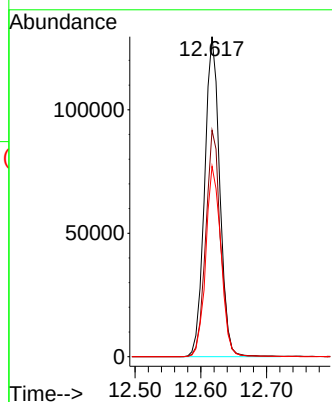
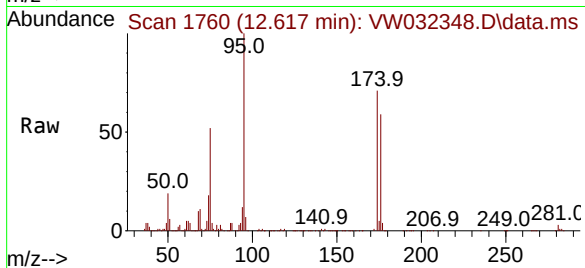
Tgt Ion: 95 Resp: 207893

Ion Ratio Lower Upper

95 100

174 69.3 0.0 145.6

176 59.8 0.0 140.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1599

Delta R.T. 0.006 min

Lab File: VW032348.D

Acq: 03 Oct 2025 13:00

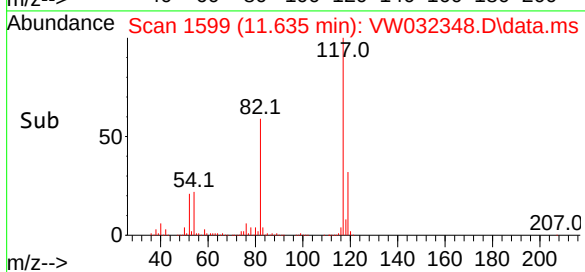
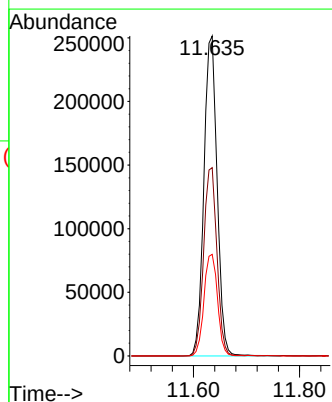
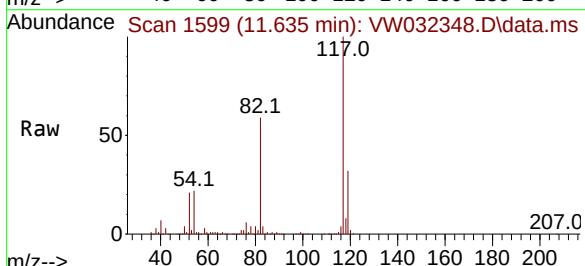
Tgt Ion: 117 Resp: 434848

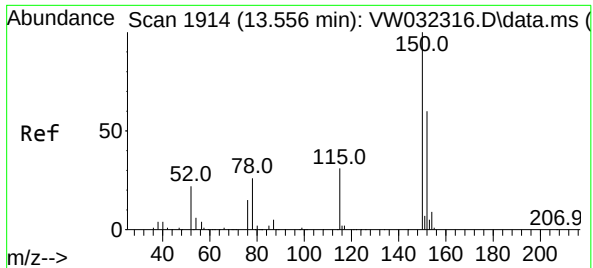
Ion Ratio Lower Upper

117 100

82 58.9 42.7 64.1

119 31.7 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032348.D

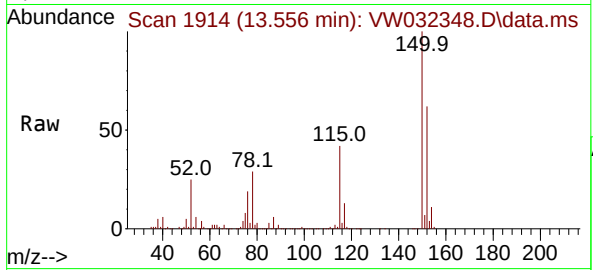
Acq: 03 Oct 2025 13:00

Instrument :

MSVOA_W

ClientSampleId :

WC1



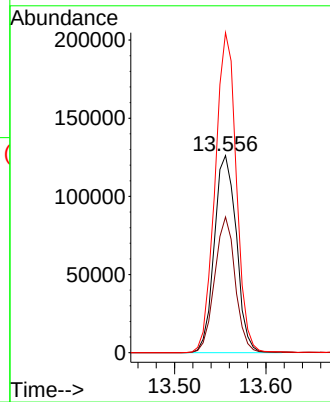
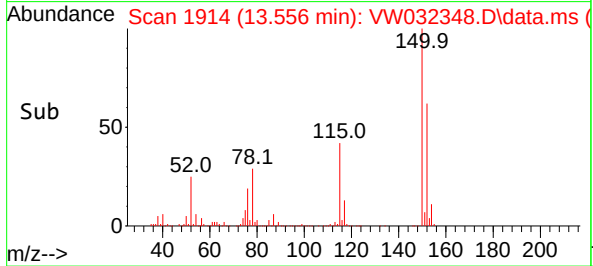
Tgt Ion:152 Resp: 211297

Ion Ratio Lower Upper

152 100

115 64.6 31.8 95.4

150 156.7 0.0 343.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032348.D
 Acq On : 03 Oct 2025 13:00
 Operator : SY/MD
 Sample : Q3277-01
 Misc : 5.02g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M

Title : SW846 8260

Signal : TIC: VW032348.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.960	490	504	522	rBV3	26296	99443	6.63%	1.192%
2	5.978	659	671	685	rBV3	11195	37400	2.49%	0.448%
3	7.167	856	866	878	rBV	31193	96941	6.46%	1.162%
4	7.904	973	987	991	rBV	202577	495509	33.04%	5.939%
5	7.959	991	996	1010	rVB	278108	641948	42.80%	7.694%
6	8.319	1038	1055	1067	rBV	223366	532138	35.48%	6.378%
7	8.849	1133	1142	1155	rBV	509194	1034978	69.00%	12.405%
8	10.325	1376	1384	1403	rBV	832834	1499899	100.00%	17.977%
9	10.703	1438	1446	1453	rVB	40201	72975	4.87%	0.875%
10	11.062	1498	1505	1514	rBV3	38825	67626	4.51%	0.811%
11	11.629	1589	1598	1609	rBV	784870	1384532	92.31%	16.595%
12	12.617	1752	1760	1773	rBV	608194	1009366	67.30%	12.098%
13	12.928	1806	1811	1820	rBV6	9150	15253	1.02%	0.183%
14	13.556	1907	1914	1926	rBV	829807	1355257	90.36%	16.244%

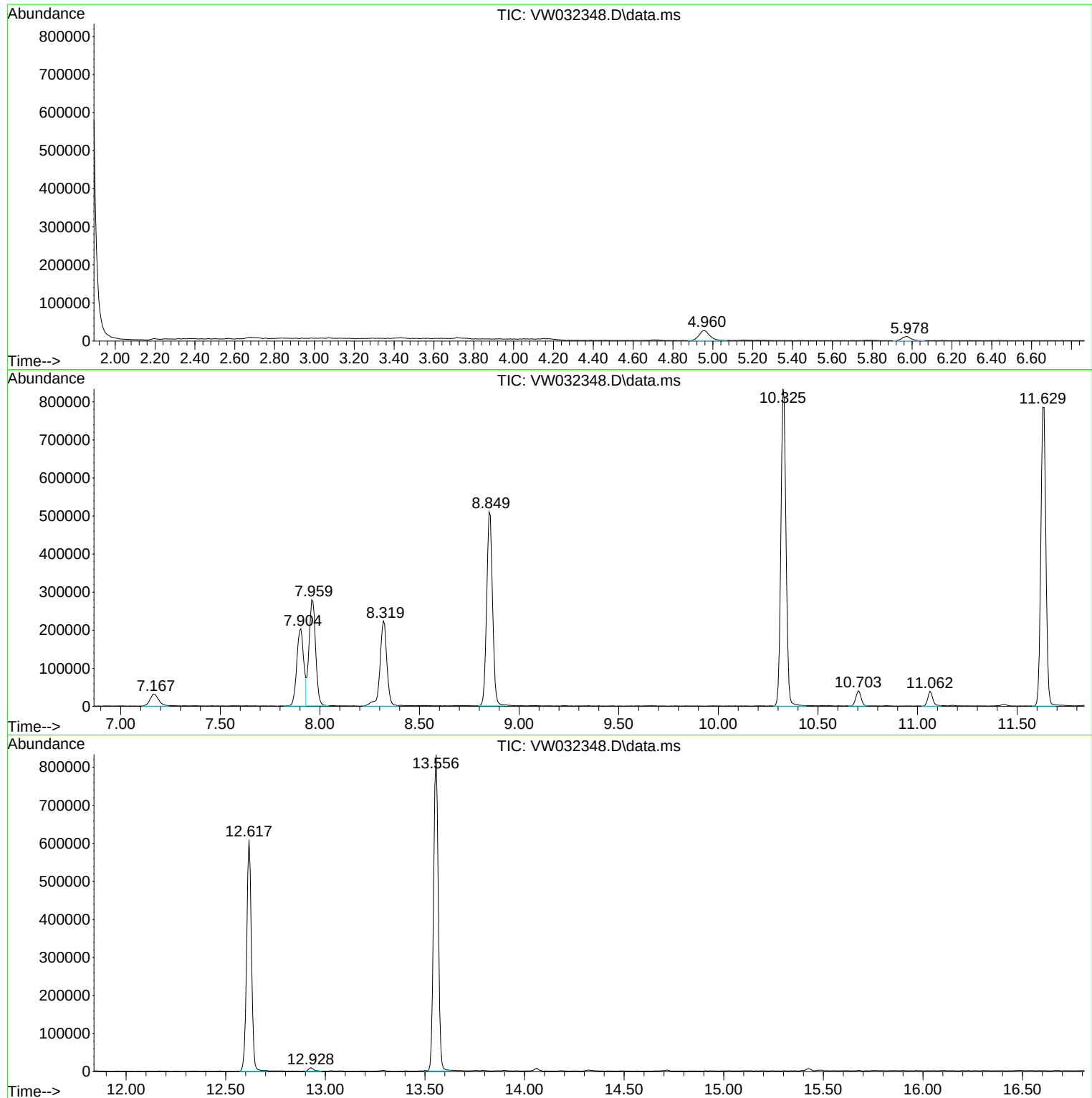
Sum of corrected areas: 8343265

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032348.D
Acq On : 03 Oct 2025 13:00
Operator : SY/MD
Sample : Q3277-01
Misc : 5.02g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032348.D
Acq On : 03 Oct 2025 13:00
Operator : SY/MD
Sample : Q3277-01
Misc : 5.02g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032348.D
Acq On : 03 Oct 2025 13:00
Operator : SY/MD
Sample : Q3277-01
Misc : 5.02g/5mL/MSVOA_W/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032340.D
 Acq On : 03 Oct 2025 09:40
 Operator : SY/MD
 Sample : VW1003SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBL01

Quant Time: Oct 04 04:57:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.965	168	187187	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	423770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	435697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	203854	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	170547	62.466	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 124.940%	
35) Dibromofluoromethane	7.898	113	146507	53.384	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 106.760%	
50) Toluene-d8	10.325	98	542522	53.562	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 107.120%	
62) 4-Bromofluorobenzene	12.617	95	194781	50.878	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 101.760%	

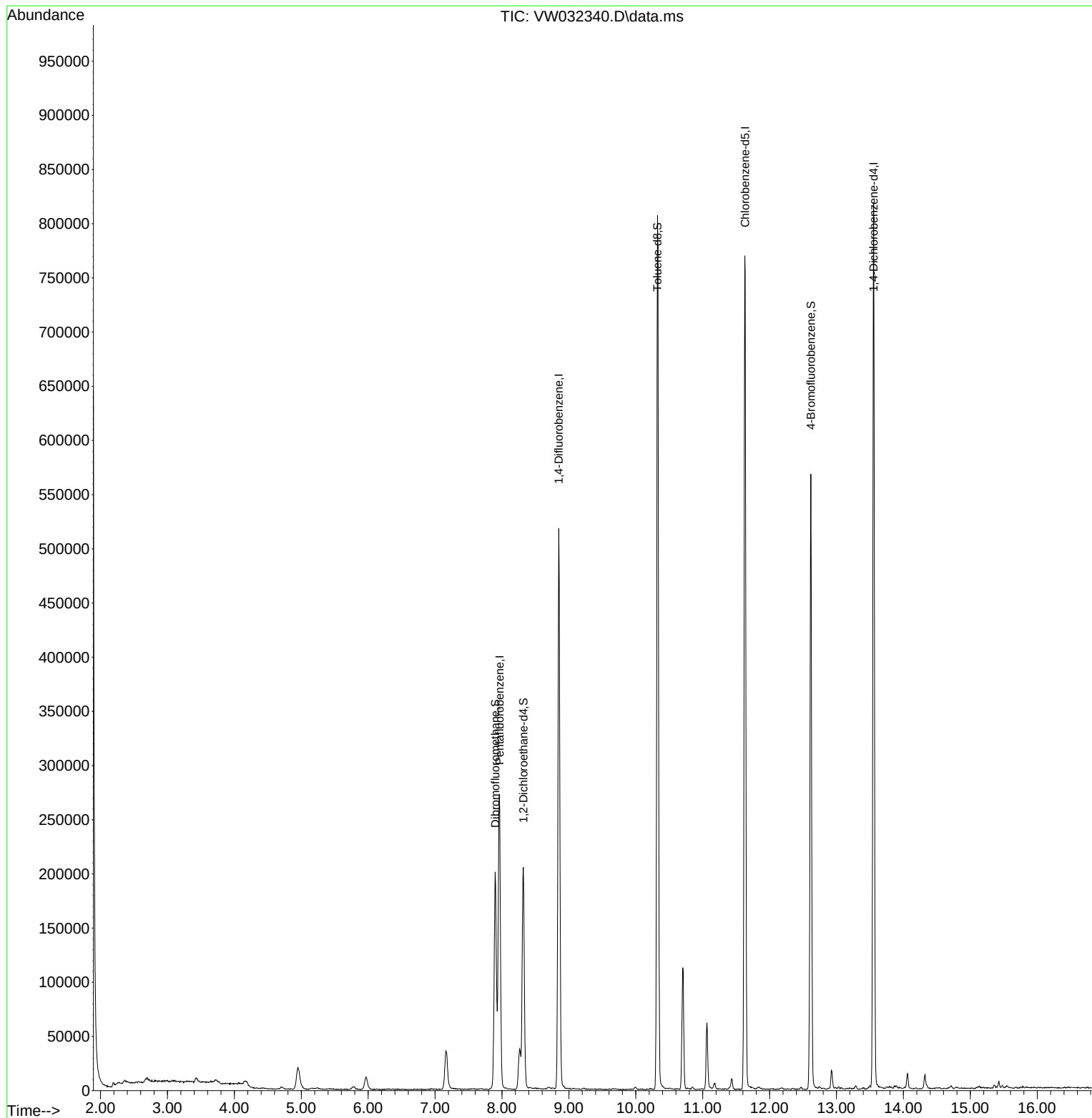
Target Compounds	Qvalue

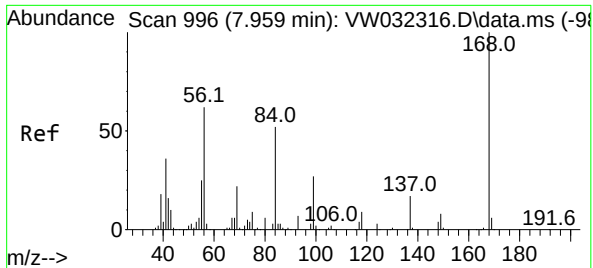
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032340.D
Acq On : 03 Oct 2025 09:40
Operator : SY/MD
Sample : VW1003SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

Quant Time: Oct 04 04:57:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

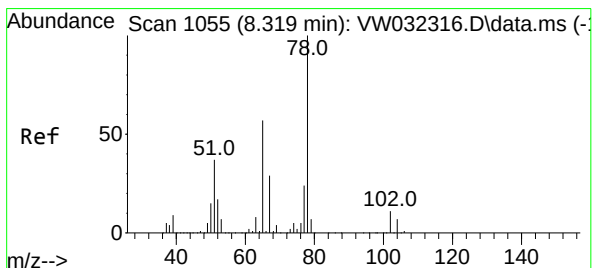
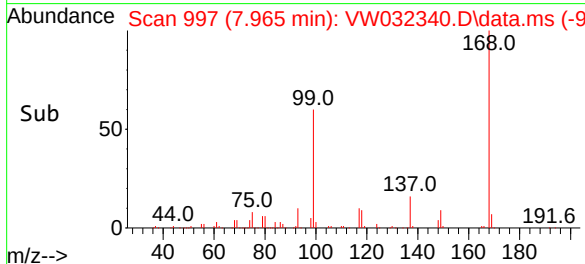
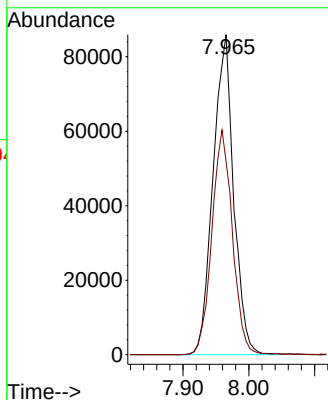
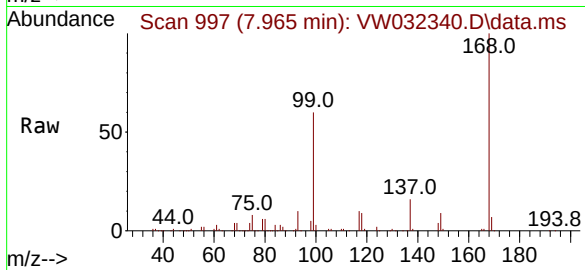




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

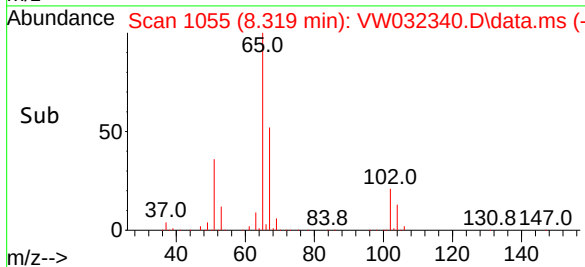
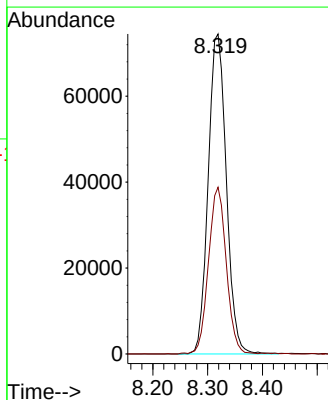
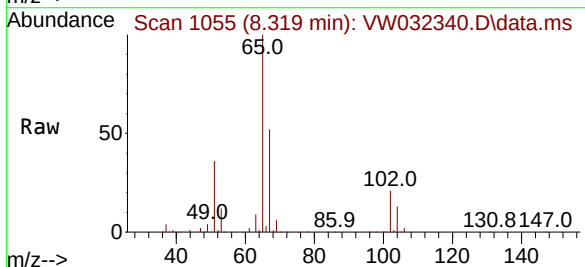
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

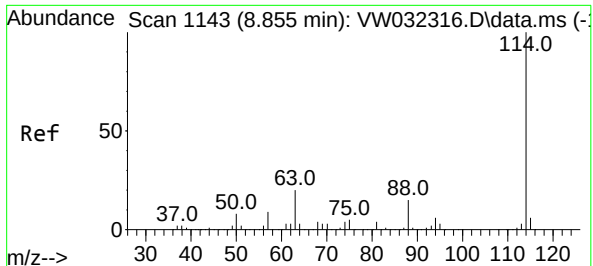
Tgt Ion:168 Resp: 187187
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#33
1,2-Dichloroethane-d4
Concen: 62.466 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Tgt Ion: 65 Resp: 170547
Ion Ratio Lower Upper
65 100
67 51.3 0.0 99.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1143

Delta R.T. -0.006 min

Lab File: VW032340.D

Acq: 03 Oct 2025 09:40

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBL01

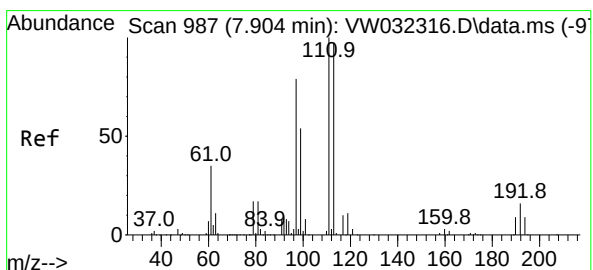
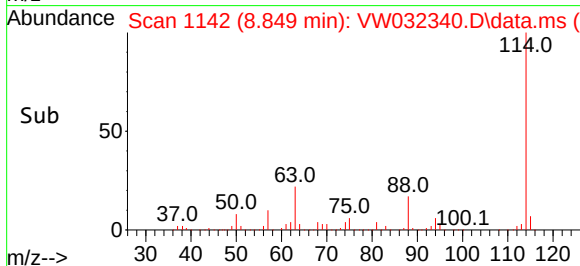
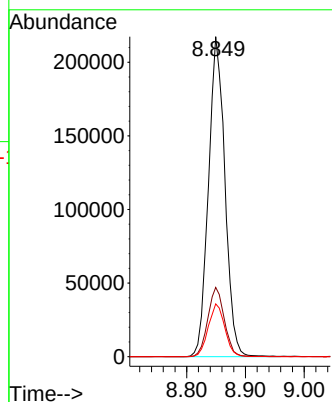
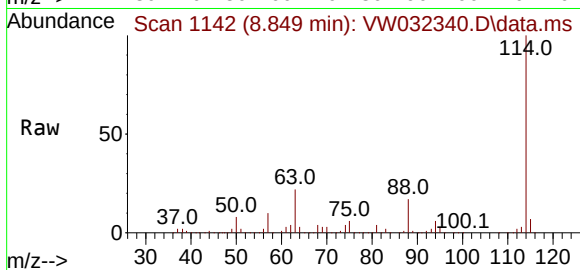
Tgt Ion:114 Resp: 423770

Ion Ratio Lower Upper

114 100

63 21.6 0.0 40.4

88 16.5 0.0 32.0



#35

Dibromofluoromethane

Concen: 53.384 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032340.D

Acq: 03 Oct 2025 09:40

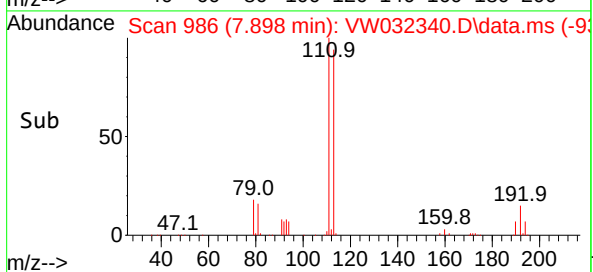
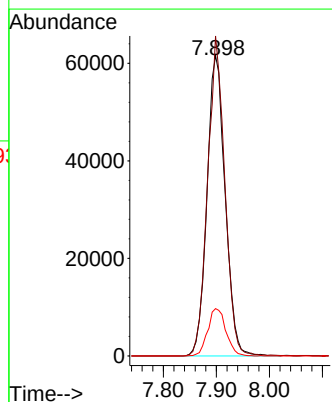
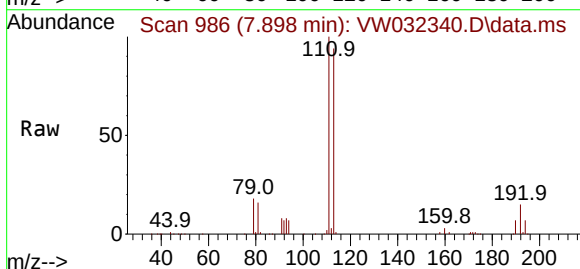
Tgt Ion:113 Resp: 146507

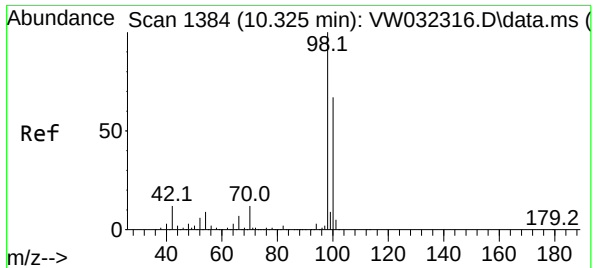
Ion Ratio Lower Upper

113 100

111 100.9 83.9 125.9

192 15.8 14.6 21.8

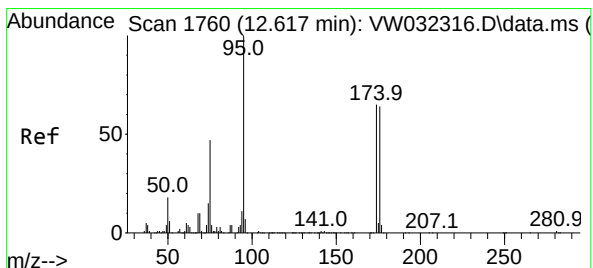
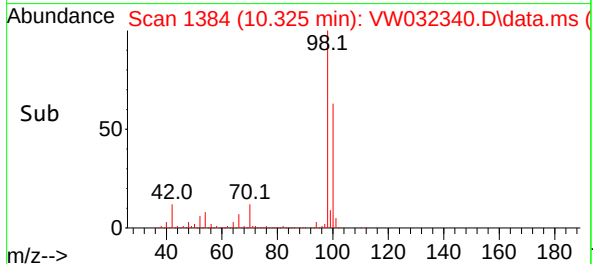
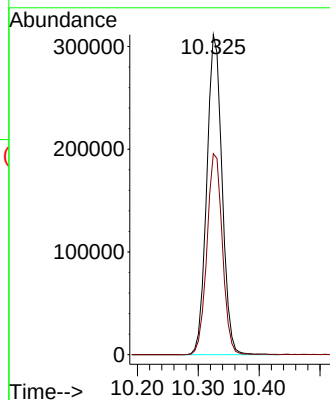
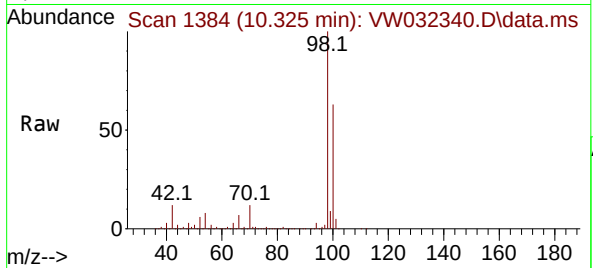




#50
Toluene-d8
Concen: 53.562 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

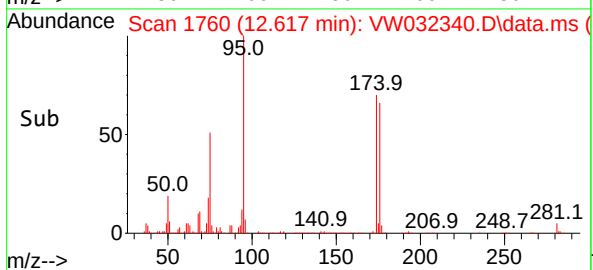
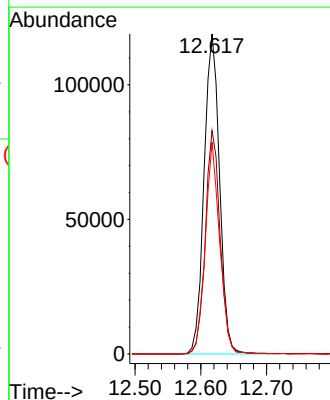
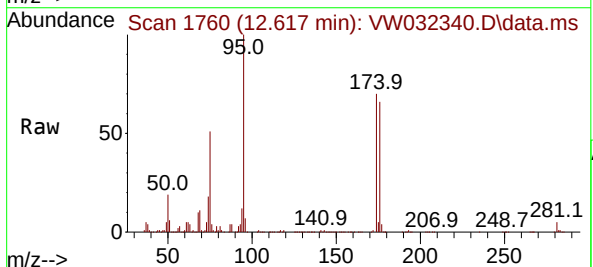
Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

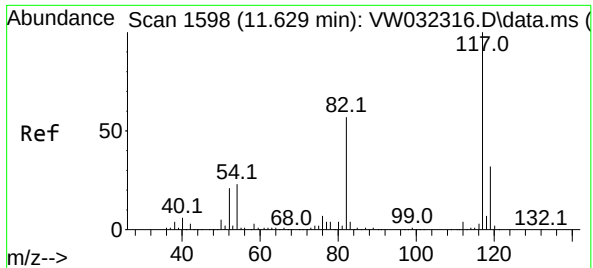
Tgt Ion: 98 Resp: 542522
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 50.878 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032340.D
Acq: 03 Oct 2025 09:40

Tgt Ion: 95 Resp: 194781
Ion Ratio Lower Upper
95 100
174 66.8 0.0 145.6
176 62.1 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032340.D

Acq: 03 Oct 2025 09:40

Instrument :

MSVOA_W

ClientSampleId :

VW1003SBL01

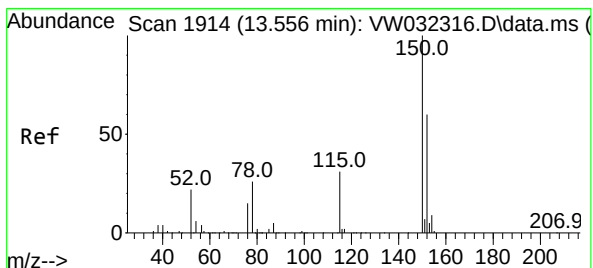
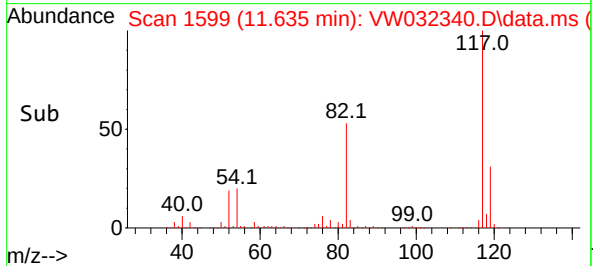
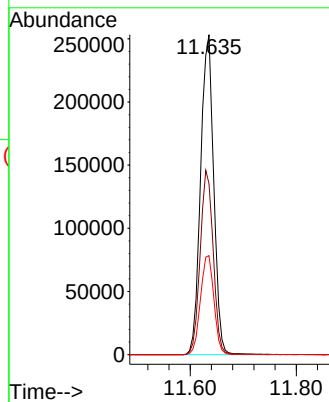
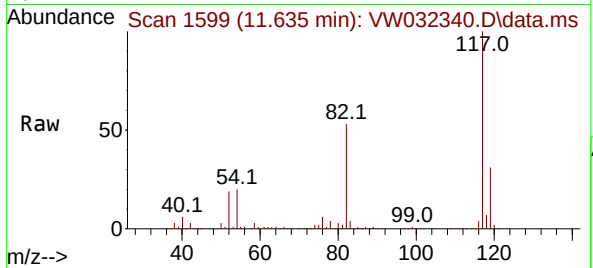
Tgt Ion:117 Resp: 435697

Ion Ratio Lower Upper

117 100

82 53.4 42.7 64.1

119 31.0 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032340.D

Acq: 03 Oct 2025 09:40

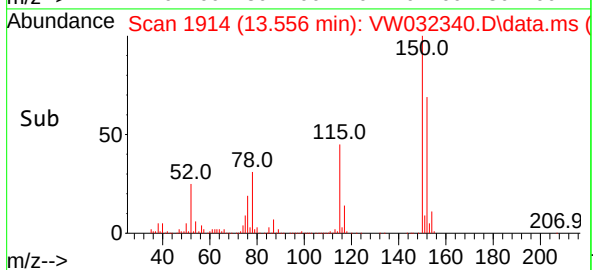
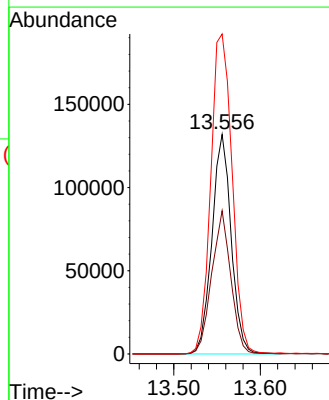
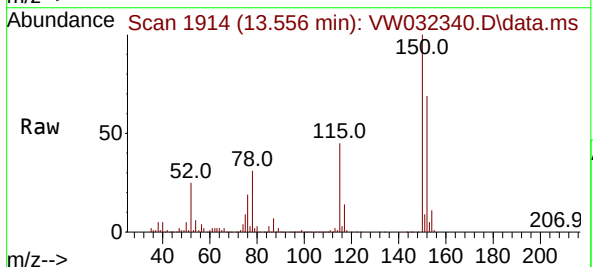
Tgt Ion:152 Resp: 203854

Ion Ratio Lower Upper

152 100

115 64.6 31.8 95.4

150 161.3 0.0 343.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032340.D
 Acq On : 03 Oct 2025 09:40
 Operator : SY/MD
 Sample : VW1003SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M

Title : SW846 8260

Signal : TIC: VW032340.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.948	489	502	524	rBV3	20280	78519	5.47%	0.937%
2	5.966	658	669	681	rBV3	11421	36143	2.52%	0.431%
3	7.161	855	865	881	rBV	35436	108912	7.58%	1.300%
4	7.898	975	986	991	rBV2	199721	472229	32.87%	5.638%
5	7.959	991	996	1010	rVB2	271348	619083	43.09%	7.391%
6	8.264	1034	1046	1049	rBV2	37517	91593	6.38%	1.093%
7	8.319	1049	1055	1067	rVB	204070	462855	32.22%	5.526%
8	8.849	1131	1142	1154	rBV	517098	1022545	71.17%	12.207%
9	10.325	1376	1384	1396	rBV	806425	1436666	100.00%	17.151%
10	10.703	1439	1446	1455	rBV	112273	210373	14.64%	2.511%
11	11.062	1497	1505	1517	rBV2	61458	110990	7.73%	1.325%
12	11.434	1555	1566	1572	rVB3	9749	20326	1.41%	0.243%
13	11.629	1591	1598	1610	rBV	769097	1359077	94.60%	16.225%
14	12.617	1751	1760	1771	rBV	567305	951505	66.23%	11.359%
15	12.922	1806	1810	1817	rBV3	16654	28373	1.97%	0.339%
16	13.556	1907	1914	1928	rVB	816283	1318109	91.75%	15.736%
17	14.062	1991	1997	2005	rVB	13272	21913	1.53%	0.262%
18	14.324	2031	2040	2048	rBV2	13118	27330	1.90%	0.326%

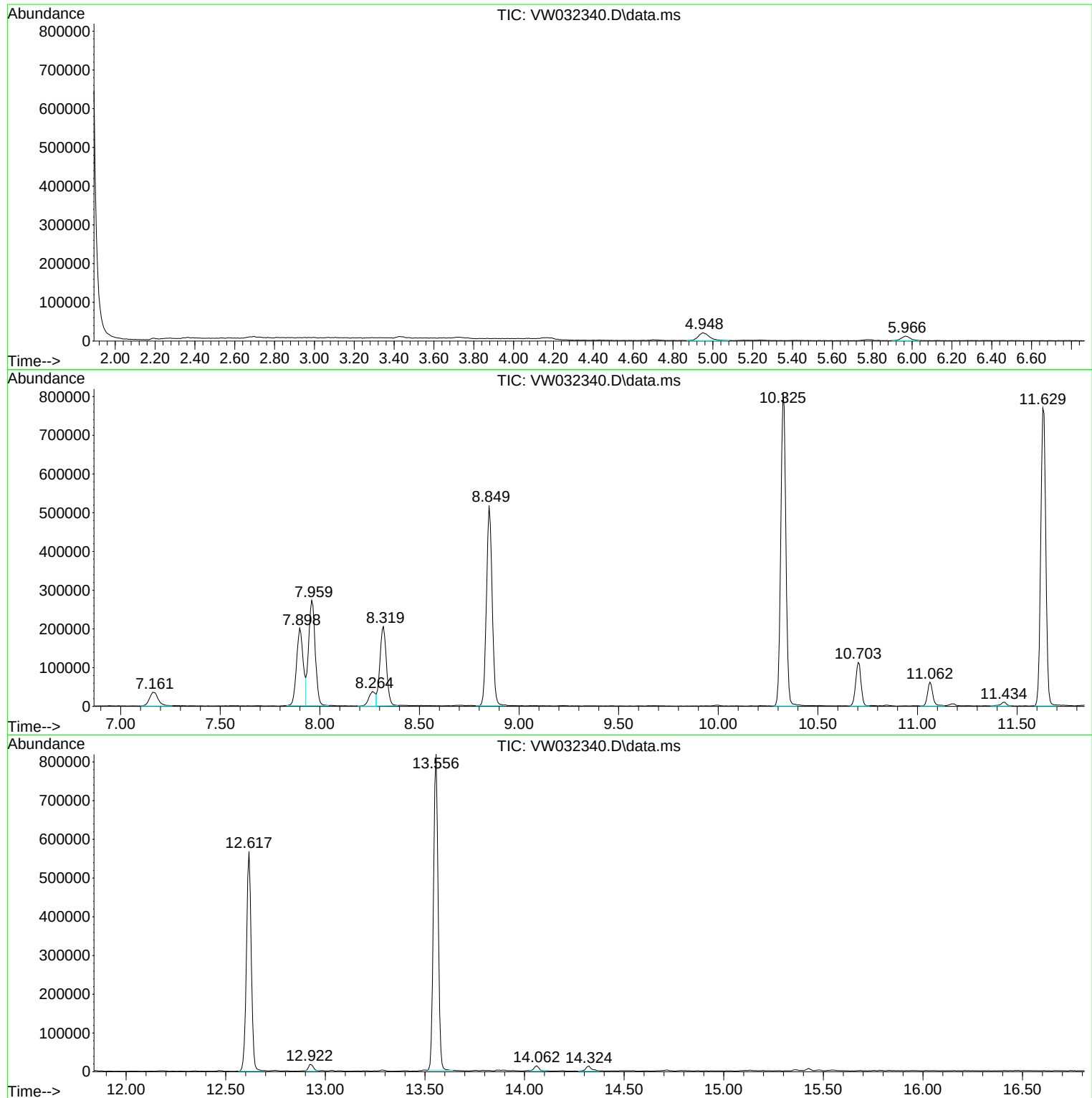
Sum of corrected areas: 8376541

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032340.D
Acq On : 03 Oct 2025 09:40
Operator : SY/MD
Sample : VW1003SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



A
B
C
D
E
F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032340.D
Acq On : 03 Oct 2025 09:40
Operator : SY/MD
Sample : VW1003SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected

A
B
C
D
E
F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032340.D
Acq On : 03 Oct 2025 09:40
Operator : SY/MD
Sample : VW1003SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032341.D
 Acq On : 03 Oct 2025 10:09
 Operator : SY/MD
 Sample : VW1003SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:58:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	278007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	517265	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	472342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234620	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	205163	50.596	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 101.200%	
35) Dibromofluoromethane	7.898	113	166286	49.640	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 99.280%	
50) Toluene-d8	10.325	98	634254	51.300	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 102.600%	
62) 4-Bromofluorobenzene	12.617	95	233622	49.994	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 99.980%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	35922	20.591	ug/l	98
3) Chloromethane	2.253	50	52234	19.405	ug/l	96
4) Vinyl Chloride	2.405	62	70667	21.989	ug/l	98
5) Bromomethane	2.820	94	49316	20.882	ug/l	96
6) Chloroethane	2.960	64	44151	20.809	ug/l	100
7) Trichlorofluoromethane	3.301	101	48248	20.052	ug/l	90
8) Diethyl Ether	3.716	74	46088	22.104	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.106	101	59577	20.643	ug/l	94
10) Methyl Iodide	4.307	142	91242	22.157	ug/l	97
11) Tert butyl alcohol	5.210	59	35075	114.277	ug/l #	93
12) 1,1-Dichloroethene	4.076	96	67361	21.499	ug/l	97
13) Acrolein	3.923	56	58061	116.558	ug/l	98
14) Allyl chloride	4.698	41	112481	21.255	ug/l	90
15) Acrylonitrile	5.405	53	109612	101.052	ug/l	100
16) Acetone	4.155	43	121446	108.166	ug/l	96
17) Carbon Disulfide	4.417	76	182974	21.403	ug/l	97
18) Methyl Acetate	4.704	43	59609	18.533	ug/l	100
19) Methyl tert-butyl Ether	5.466	73	129887	21.048	ug/l	97
20) Methylene Chloride	4.947	84	97249	23.311	ug/l	95
21) trans-1,2-Dichloroethene	5.454	96	72569	20.920	ug/l	97
22) Diisopropyl ether	6.338	45	233975	21.259	ug/l	97
23) Vinyl Acetate	6.283	43	771189	104.905	ug/l	99
24) 1,1-Dichloroethane	6.240	63	138771	20.754	ug/l	98
25) 2-Butanone	7.191	43	157617	103.074	ug/l	97
26) 2,2-Dichloropropane	7.185	77	76859	22.472	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	85248	20.456	ug/l	92
28) Bromochloromethane	7.526	49	63803	20.281	ug/l	86
29) Tetrahydrofuran	7.551	42	96869	100.733	ug/l	94
30) Chloroform	7.691	83	145892	21.514	ug/l	99
31) Cyclohexane	7.965	56	116831	20.467	ug/l	97
32) 1,1,1-Trichloroethane	7.886	97	103931	21.628	ug/l	98
36) 1,1-Dichloropropene	8.093	75	99053	20.952	ug/l	97
37) Ethyl Acetate	7.270	43	64082	20.364	ug/l	99
38) Carbon Tetrachloride	8.081	117	92784	20.856	ug/l	96
39) Methylcyclohexane	9.343	83	115670	20.284	ug/l	95
40) Benzene	8.337	78	306473	20.682	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032341.D
 Acq On : 03 Oct 2025 10:09
 Operator : SY/MD
 Sample : VW1003SBS01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:58:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	35690	21.045	ug/l	90
42) 1,2-Dichloroethane	8.410	62	101080	20.847	ug/l	100
43) Isopropyl Acetate	8.435	43	113745	20.376	ug/l	98
44) Trichloroethene	9.099	130	72667	20.943	ug/l	94
45) 1,2-Dichloropropane	9.374	63	75772	20.486	ug/l	100
46) Dibromomethane	9.465	93	47749	20.994	ug/l	95
47) Bromodichloromethane	9.648	83	107339	20.633	ug/l	95
48) Methyl methacrylate	9.441	41	53707	19.788	ug/l #	92
49) 1,4-Dioxane	9.465	88	12562	404.086	ug/l #	83
51) 4-Methyl-2-Pentanone	10.215	43	331203	102.436	ug/l	99
52) Toluene	10.392	92	194697	21.098	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	101504	20.112	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	118144	20.322	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	64370	21.175	ug/l	94
56) Ethyl methacrylate	10.648	69	86806	20.402	ug/l	95
57) 1,3-Dichloropropane	10.934	76	111293	20.729	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	217670	96.127	ug/l	95
59) 2-Hexanone	10.971	43	236063	103.519	ug/l	98
60) Dibromochloromethane	11.129	129	71272	20.649	ug/l	98
61) 1,2-Dibromoethane	11.239	107	61866	20.872	ug/l	99
64) Tetrachloroethene	10.867	164	57582	20.373	ug/l	89
65) Chlorobenzene	11.660	112	214074	20.598	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.733	131	64483	19.921	ug/l	98
67) Ethyl Benzene	11.733	91	361410	20.863	ug/l	96
68) m/p-Xylenes	11.836	106	280266	41.956	ug/l	99
69) o-Xylene	12.166	106	127250	20.370	ug/l	96
70) Styrene	12.178	104	230366	21.121	ug/l	97
71) Bromoform	12.349	173	36374	19.604	ug/l #	98
73) Isopropylbenzene	12.464	105	331358	20.643	ug/l	100
74) N-amyl acetate	12.269	43	102583	20.033	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	79252	19.885	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	61589m	19.948	ug/l	
77) Bromobenzene	12.745	156	79932	20.658	ug/l	92
78) n-propylbenzene	12.800	91	413445	20.620	ug/l	98
79) 2-Chlorotoluene	12.891	91	253102	20.645	ug/l	97
80) 1,3,5-Trimethylbenzene	12.940	105	284439	20.493	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.513	75	24636	20.214	ug/l	96
82) 4-Chlorotoluene	12.989	91	265232	20.349	ug/l	100
83) tert-Butylbenzene	13.202	119	236976	20.809	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	288657	20.453	ug/l	99
85) sec-Butylbenzene	13.379	105	355980	20.455	ug/l	98
86) p-Isopropyltoluene	13.495	119	301518	20.880	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	160629	20.501	ug/l	95
88) 1,4-Dichlorobenzene	13.574	146	164120	20.949	ug/l	95
89) n-Butylbenzene	13.818	91	286635	20.330	ug/l	98
90) Hexachloroethane	14.092	117	51546	19.915	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	147501	20.826	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.476	75	13224	18.951	ug/l	90
93) 1,2,4-Trichlorobenzene	15.123	180	86078	20.268	ug/l	98
94) Hexachlorobutadiene	15.226	225	38516	19.836	ug/l	95
95) Naphthalene	15.360	128	197775	19.391	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	83600	20.884	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032341.D
Acq On : 03 Oct 2025 10:09
Operator : SY/MD
Sample : VW1003SBS01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:58:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

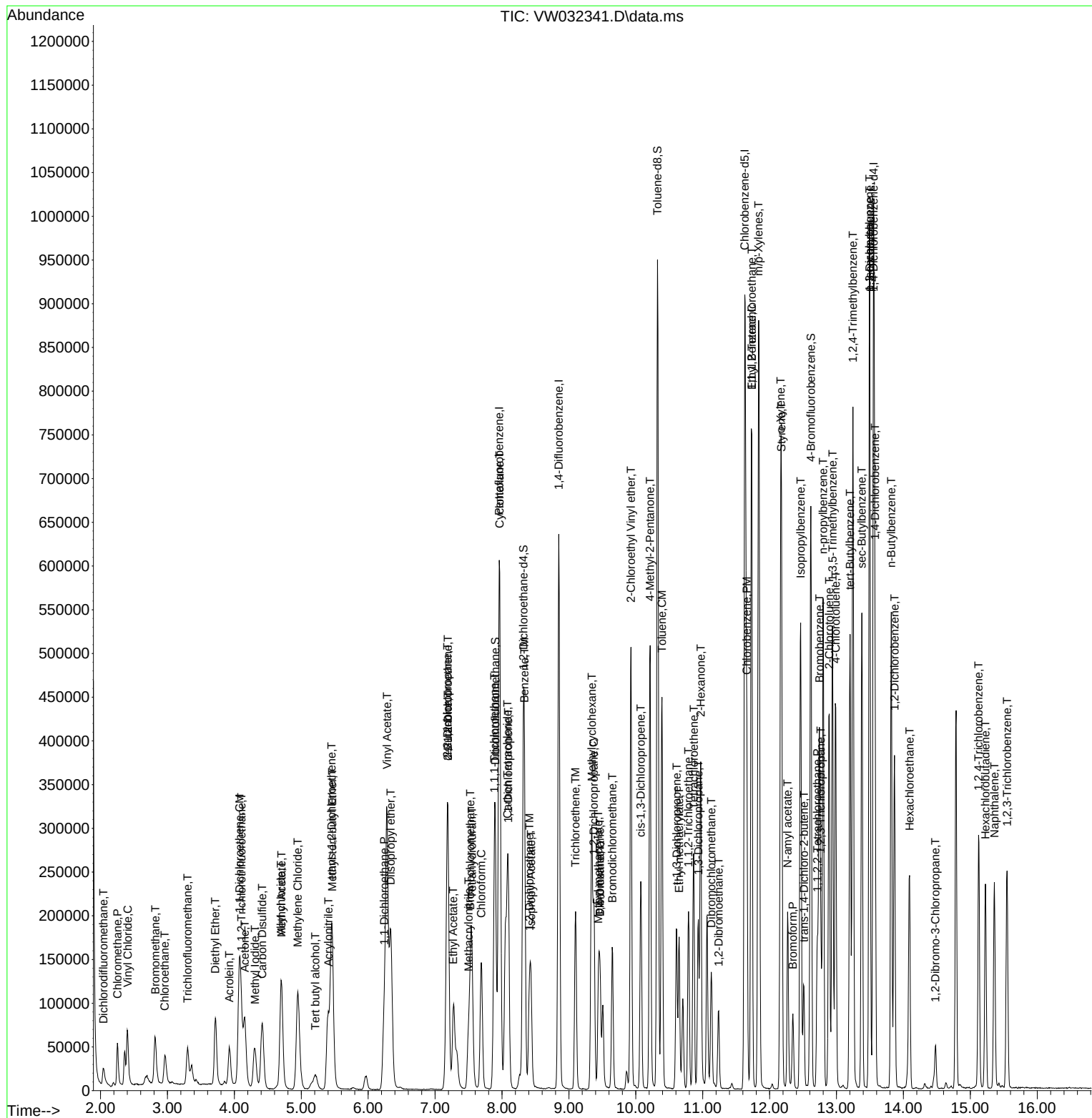
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032342.D
 Acq On : 03 Oct 2025 10:31
 Operator : SY/MD
 Sample : VW1003SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:59:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	280986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	514655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	480184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	244340	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	209797	51.191	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 102.380%	
35) Dibromofluoromethane	7.898	113	170894	51.274	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 102.540%	
50) Toluene-d8	10.331	98	652301	53.027	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 106.060%	
62) 4-Bromofluorobenzene	12.617	95	243553	52.383	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 104.760%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	36824	20.884	ug/l	99
3) Chloromethane	2.253	50	53856	19.795	ug/l	95
4) Vinyl Chloride	2.405	62	71273	21.943	ug/l	98
5) Bromomethane	2.820	94	51510	21.580	ug/l	95
6) Chloroethane	2.966	64	45203	21.079	ug/l	96
7) Trichlorofluoromethane	3.308	101	54972	22.604	ug/l	94
8) Diethyl Ether	3.722	74	45452	21.568	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.106	101	61069	20.936	ug/l	94
10) Methyl Iodide	4.313	142	91157	21.902	ug/l	98
11) Tert butyl alcohol	5.216	59	34176	110.168	ug/l #	82
12) 1,1-Dichloroethene	4.076	96	66870	21.116	ug/l	83
13) Acrolein	3.929	56	56064	111.356	ug/l	98
14) Allyl chloride	4.704	41	115345	21.565	ug/l	89
15) Acrylonitrile	5.399	53	114281	104.239	ug/l	98
16) Acetone	4.161	43	117029	103.127	ug/l	98
17) Carbon Disulfide	4.423	76	186164	21.545	ug/l	100
18) Methyl Acetate	4.710	43	62903	19.350	ug/l	98
19) Methyl tert-butyl Ether	5.460	73	133841	21.458	ug/l	97
20) Methylene Chloride	4.954	84	99072	23.544	ug/l	96
21) trans-1,2-Dichloroethene	5.460	96	74671	21.298	ug/l	95
22) Diisopropyl ether	6.344	45	239475	21.528	ug/l	95
23) Vinyl Acetate	6.283	43	792465	106.657	ug/l	99
24) 1,1-Dichloroethane	6.246	63	144844	21.432	ug/l	97
25) 2-Butanone	7.191	43	158120	102.307	ug/l	99
26) 2,2-Dichloropropane	7.185	77	78833	22.804	ug/l	97
27) cis-1,2-Dichloroethene	7.197	96	89243	21.188	ug/l	93
28) Bromochloromethane	7.532	49	64926	20.419	ug/l	87
29) Tetrahydrofuran	7.551	42	99667	102.544	ug/l	94
30) Chloroform	7.691	83	148565	21.676	ug/l	99
31) Cyclohexane	7.971	56	120184	20.831	ug/l	93
32) 1,1,1-Trichloroethane	7.886	97	106459	21.919	ug/l	99
36) 1,1-Dichloropropene	8.093	75	101791	21.640	ug/l	98
37) Ethyl Acetate	7.276	43	68609	21.914	ug/l	98
38) Carbon Tetrachloride	8.087	117	98049	22.151	ug/l #	93
39) Methylcyclohexane	9.343	83	119548	21.070	ug/l	94
40) Benzene	8.337	78	317296	21.521	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
 Data File : VW032342.D
 Acq On : 03 Oct 2025 10:31
 Operator : SY/MD
 Sample : VW1003SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1003SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
 Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:59:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 02 21:24:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	35498	21.038	ug/l	95
42) 1,2-Dichloroethane	8.416	62	103118	21.375	ug/l	99
43) Isopropyl Acetate	8.435	43	117538	21.162	ug/l	99
44) Trichloroethene	9.099	130	74758	21.655	ug/l	90
45) 1,2-Dichloropropane	9.380	63	78010	21.198	ug/l	97
46) Dibromomethane	9.465	93	48612	21.482	ug/l	94
47) Bromodichloromethane	9.654	83	108411	20.945	ug/l	94
48) Methyl methacrylate	9.441	41	56601	20.960	ug/l #	91
49) 1,4-Dioxane	9.459	88	12333	398.732	ug/l #	87
51) 4-Methyl-2-Pentanone	10.215	43	339081	105.404	ug/l	99
52) Toluene	10.392	92	196886	21.443	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	103065	20.525	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	118600	20.504	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	63746	21.077	ug/l	95
56) Ethyl methacrylate	10.648	69	86298	20.385	ug/l	96
57) 1,3-Dichloropropane	10.934	76	117496	21.995	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.928	63	220821	98.013	ug/l	96
59) 2-Hexanone	10.971	43	239195	105.424	ug/l	98
60) Dibromochloromethane	11.129	129	72848	21.212	ug/l	96
61) 1,2-Dibromoethane	11.239	107	61426	20.829	ug/l	98
64) Tetrachloroethene	10.867	164	58955	20.518	ug/l	92
65) Chlorobenzene	11.660	112	220669	20.886	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.727	131	68946	20.952	ug/l	99
67) Ethyl Benzene	11.727	91	368376	20.917	ug/l	98
68) m/p-Xylenes	11.836	106	285983	42.112	ug/l	99
69) o-Xylene	12.166	106	129748	20.430	ug/l	98
70) Styrene	12.178	104	235147	21.207	ug/l	98
71) Bromoform	12.349	173	36757	19.487	ug/l #	98
73) Isopropylbenzene	12.464	105	341118	20.406	ug/l	99
74) N-amyl acetate	12.269	43	107047	20.073	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.714	83	82780	19.944	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	72682m	22.604	ug/l	
77) Bromobenzene	12.745	156	79961	19.843	ug/l	87
78) n-propylbenzene	12.800	91	429522	20.570	ug/l	97
79) 2-Chlorotoluene	12.891	91	257321	20.154	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	283160	19.589	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	24902	19.619	ug/l	94
82) 4-Chlorotoluene	12.989	91	271331	19.989	ug/l	99
83) tert-Butylbenzene	13.202	119	247707	20.886	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	301850	20.537	ug/l	100
85) sec-Butylbenzene	13.379	105	359423	19.831	ug/l	99
86) p-Isopropyltoluene	13.495	119	305005	20.281	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	165579	20.292	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	168683	20.675	ug/l	97
89) n-Butylbenzene	13.818	91	298633	20.338	ug/l	99
90) Hexachloroethane	14.086	117	52244	19.381	ug/l	87
91) 1,2-Dichlorobenzene	13.867	146	146324	19.838	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	14141	19.459	ug/l	88
93) 1,2,4-Trichlorobenzene	15.122	180	87929	19.880	ug/l	99
94) Hexachlorobutadiene	15.226	225	39478	19.522	ug/l	93
95) Naphthalene	15.360	128	212463	20.002	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	82685	19.834	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100325\
Data File : VW032342.D
Acq On : 03 Oct 2025 10:31
Operator : SY/MD
Sample : VW1003SBSD01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBSD01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Quant Time: Oct 04 04:59:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W100125S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 02 21:24:16 2025
Response via : Initial Calibration

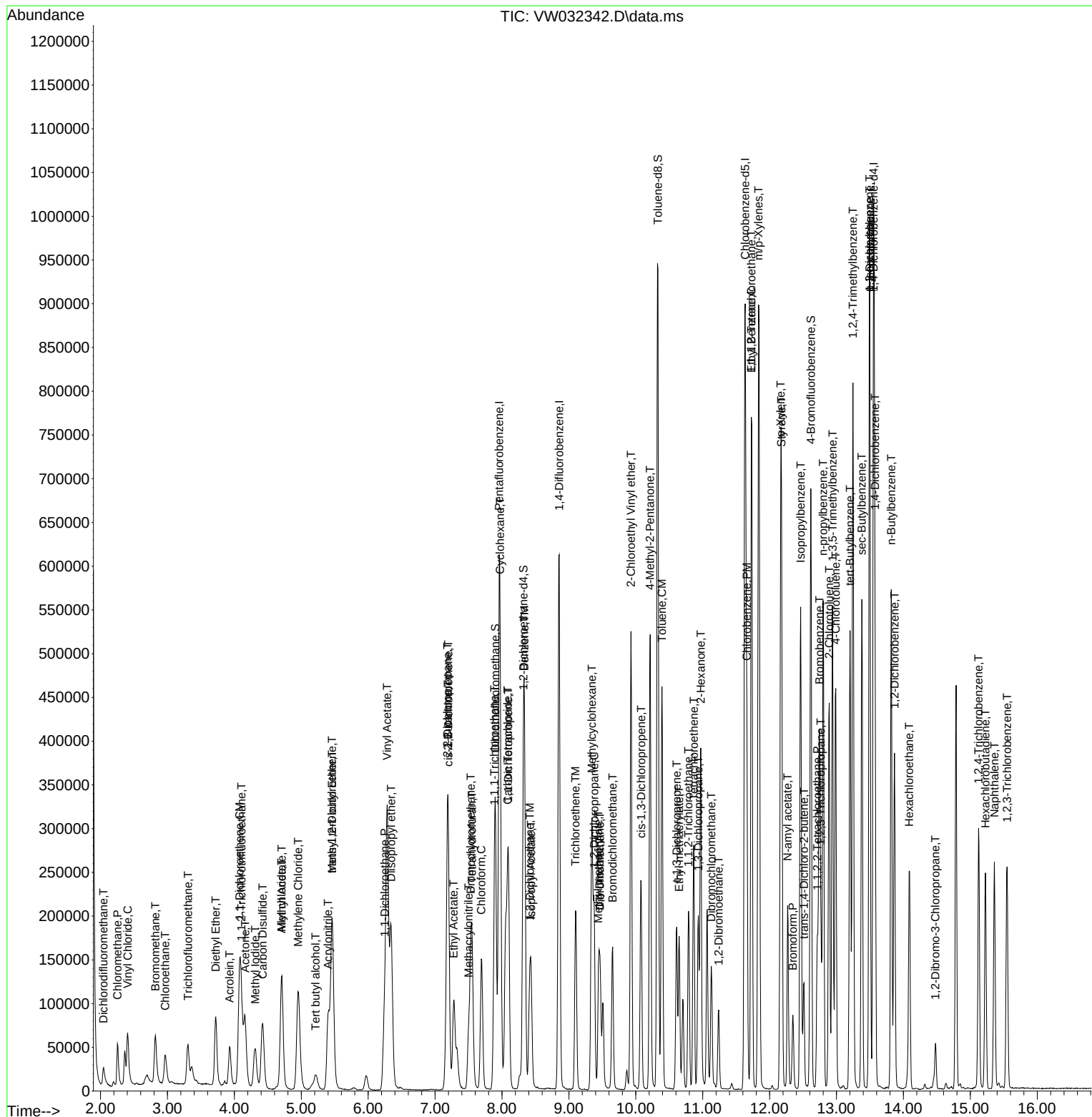
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_W
ClientSampleId :
VW1003SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



Manual Integration Report

Sequence:	VW100125	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VW032313.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:08 AM	SAM	10/3/2025 2:31:09 AM	Peak Integrated by Software
VSTDICC010	VW032314.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:10 AM	SAM	10/3/2025 2:31:10 AM	Peak Integrated by Software
VSTDICC020	VW032315.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:11 AM	SAM	10/3/2025 2:31:12 AM	Peak Integrated by Software
VSTDICCC050	VW032316.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:13 AM	SAM	10/3/2025 2:31:13 AM	Peak Integrated by Software
VSTDICC100	VW032317.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:14 AM	SAM	10/3/2025 2:31:14 AM	Peak Integrated by Software
VSTDICC150	VW032318.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:16 AM	SAM	10/3/2025 2:31:16 AM	Peak Integrated by Software
VSTDICV050	VW032320.D	1,2,3-Trichloropropane	MMDadoda	10/3/2025 2:27:18 AM	SAM	10/3/2025 2:31:17 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VW100325	Instrument	MSVOA_w
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VW032339.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:23:41 AM	SAM	10/6/2025 4:27:50 AM	Peak Integrated by Software
VW1003SBS01	VW032341.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:23:42 AM	SAM	10/6/2025 4:27:51 AM	Peak Integrated by Software
VW1003SBSD01	VW032342.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:23:43 AM	SAM	10/6/2025 4:27:53 AM	Peak Integrated by Software
VSTDCCC050	VW032350.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:23:46 AM	SAM	10/6/2025 4:27:56 AM	Peak Integrated by Software

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QC Batch ID # VW100125

Review By	Mahesh Dadoda	Review On	10/3/2025 2:27:29 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/3/2025 2:31:29 AM		
SubDirectory	VW100125	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135712			
Initial Calibration Stds		VP135713,VP135714,VP135715,VP135716,VP135717,VP135718			
CCC					
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032312.D	01 Oct 2025 08:12	SY/MD	Ok
2	VSTDIC005	VW032313.D	01 Oct 2025 13:12	SY/MD	Ok,M
3	VSTDIC010	VW032314.D	01 Oct 2025 13:34	SY/MD	Ok,M
4	VSTDIC020	VW032315.D	01 Oct 2025 14:15	SY/MD	Ok,M
5	VSTDIC050	VW032316.D	01 Oct 2025 14:37	SY/MD	Ok,M
6	VSTDIC100	VW032317.D	01 Oct 2025 14:59	SY/MD	Ok,M
7	VSTDIC150	VW032318.D	01 Oct 2025 15:20	SY/MD	Ok,M
8	VIBLK	VW032319.D	01 Oct 2025 15:42	SY/MD	Ok
9	VSTDICV050	VW032320.D	01 Oct 2025 16:04	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_W**

Daily Analysis Runlog For Sequence/QCBatch ID # VW100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:23:57 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:28:12 AM		
SubDirectory	VW100325	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135731			
CCC		VP135732,VP135733			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VW032338.D	03 Oct 2025 08:39	SY/MD	Ok
2	VSTDCCC050	VW032339.D	03 Oct 2025 09:13	SY/MD	Ok,M
3	VW1003SBL01	VW032340.D	03 Oct 2025 09:40	SY/MD	Ok
4	VW1003SBS01	VW032341.D	03 Oct 2025 10:09	SY/MD	Ok,M
5	VW1003SBSD01	VW032342.D	03 Oct 2025 10:31	SY/MD	Ok,M
6	Q3262-04RE	VW032343.D	03 Oct 2025 11:10	SY/MD	Confirms
7	Q3269-01	VW032344.D	03 Oct 2025 11:32	SY/MD	Ok
8	Q3271-01	VW032345.D	03 Oct 2025 11:54	SY/MD	Ok
9	Q3270-01	VW032346.D	03 Oct 2025 12:16	SY/MD	ReRun
10	Q3272-01	VW032347.D	03 Oct 2025 12:37	SY/MD	Ok
11	Q3277-01	VW032348.D	03 Oct 2025 13:00	SY/MD	Ok
12	VIBLK	VW032349.D	03 Oct 2025 13:22	SY/MD	Ok
13	VSTDCCC050	VW032350.D	03 Oct 2025 13:44	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW100125

Review By	Maresh Dadoda	Review On	10/3/2025 2:27:29 AM
Supervise By	Semsettin Yesilyurt	Supervise On	10/3/2025 2:31:29 AM
SubDirectory	VW100125	HP Acquire Method	MSVOA_W
		HP Processing Method	82w100125s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135712
Initial Calibration Stds	VP135713,VP135714,VP135715,VP135716,VP135717,VP135718
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032312.D	01 Oct 2025 08:12		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VW032313.D	01 Oct 2025 13:12	Pass for DOD	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VW032314.D	01 Oct 2025 13:34	LR-20	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VW032315.D	01 Oct 2025 14:15		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VW032316.D	01 Oct 2025 14:37		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VW032317.D	01 Oct 2025 14:59		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VW032318.D	01 Oct 2025 15:20		SY/MD	Ok,M
8	VIBLK	VIBLK	VW032319.D	01 Oct 2025 15:42		SY/MD	Ok
9	VSTDICV050	ICVVW100125	VW032320.D	01 Oct 2025 16:04		SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_W

Daily Analysis Runlog For Sequence/QC Batch ID # VW100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:23:57 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:28:12 AM		
SubDirectory	VW100325	HP Acquire Method	MSVOA_W	HP Processing Method	82w100125s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135731			
CCC		VP135732,VP135733			
Internal Standard/PEM		VP133934			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VW032338.D	03 Oct 2025 08:39		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VW032339.D	03 Oct 2025 09:13		SY/MD	Ok,M
3	VW1003SBL01	VW1003SBL01	VW032340.D	03 Oct 2025 09:40		SY/MD	Ok
4	VW1003SBS01	VW1003SBS01	VW032341.D	03 Oct 2025 10:09		SY/MD	Ok,M
5	VW1003SBSD01	VW1003SBSD01	VW032342.D	03 Oct 2025 10:31		SY/MD	Ok,M
6	Q3262-04RE	MOO-25-0282RE	VW032343.D	03 Oct 2025 11:10	vial-B Internal Standard Fail	SY/MD	Confirms
7	Q3269-01	EG1-TP1	VW032344.D	03 Oct 2025 11:32	vial-B	SY/MD	Ok
8	Q3271-01	72-11929	VW032345.D	03 Oct 2025 11:54	vial-A	SY/MD	Ok
9	Q3270-01	SG-1-TEST-PIT	VW032346.D	03 Oct 2025 12:16	vial-A Internal Standard Fail	SY/MD	ReRun
10	Q3272-01	VNJ-235	VW032347.D	03 Oct 2025 12:37	vial-A	SY/MD	Ok
11	Q3277-01	WC1	VW032348.D	03 Oct 2025 13:00	vial-A	SY/MD	Ok
12	VIBLK	VIBLK	VW032349.D	03 Oct 2025 13:22		SY/MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VW032350.D	03 Oct 2025 13:44		SY/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3277	OrderDate:	10/2/2025 3:50:00 PM
Client:	G Environmental	Project:	Newport
Contact:	Gary Landis	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3277-01	WC1	SOIL	VOC-TCLVOA-10	8260D	09/30/25		10/03/25	10/02/25



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	97.6 Decanted:
Sample Wt/Vol:	4.74 Units: g	Final Vol:	5 mL
Soil Aliquot Vol:	uL	Test:	Gasoline Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032249.D	1	10/08/25 16:34	FB100825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	11.0	J	9.00	49.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		50 - 150	85%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



QC SUMMARY

SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Alliance

Client: G Environmental

Lab Code: ACE

SDG No.: Q3277

CLIENT ID	S1 AAA-TFT	S2	S3	S4	TOT OUT
VB1008S1	101				0
BSF1008S1	102				0
BSF1008S2	107				0
WC1	85				0

QC LIMITS

AAA-TFT

For Water : 50-150

For Soil : 50-150

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate Diluted Out



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATION

Lab Name: Alliance

Client: G Environmental

Lab Code: ACE

SDG No: Q3277

Client Sample ID : BSF1008S1

Datafile: FB032239.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	175	97	50-150

SOIL GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATION

Lab Name: Alliance

Client: G Environmental

Lab Code: ACE

SDG No: Q3277

Client Sample ID : BSF1008S2

Datafile: FB032240.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS (%)
GRO	180	0	189	105	50-150

LCS/LCSD % Recovery RPD : 7.7

A
B
C
D
E
F
G
H
I

METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

VBF1008S1

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab File ID: FB032237.D

Lab Sample ID: VBF1008S1

Date Analyzed: 10/08/25

Time Analyzed: 10:11

GC Column: RTX-502.2 ID: 0.53 (mm)

Heated Purge: (Y/N) Y

Instrument ID: fb

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF1008S1	BSF1008S1	FB032239.D	10/08/25
BSF1008S2	BSF1008S2	FB032240.D	10/08/25
WC1	Q3277-01	FB032249.D	10/08/25

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	VBF1008S1	SDG No.:	Q3277
Lab Sample ID:	VBF1008S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :			mL
	PH :	Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032237.D	1	10/08/25 10:11	FB100825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	8.00	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.1		50 - 150	101%	SPK: 20

Comments:

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 E = Value Exceeds Calibration Range
 P = Indicates >25% difference for detected concentrations between the two GC columns
 Q = indicates LCS control criteria did not meet requirements
 M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 D = Dilution
 S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
 () = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	BSF1008S1	SDG No.:	Q3277
Lab Sample ID:	BSF1008S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :			mL
	PH :	Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032239.D	1	10/08/25 11:06	FB100825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	175		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.4		50 - 150	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	BSF1008S2	SDG No.:	Q3277
Lab Sample ID:	BSF1008S2	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :		Final Vol:	5
Prep Method :			mL
	PH :	Test:	Gasoline Range Organics
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
FB032240.D	1	10/08/25 11:34	FB100825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	189		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	21.4		50 - 150	107%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Alliance

Contract: GENV01

ProjectID: Newport

Lab Code: ACE

SDG No.: Q3277

Calibration Sequence : FB092225		Test : Gasoline Range Organics	
Concentration (PPB)	Area Count	Reference Factor	File ID
45	1341516	29811	FB032214.D
90	2850195	31669	FB032215.D
180	5675270	31529	FB032216.D
450	14166602	31481	FB032217.D
900	28726009	31918	FB032218.D
AVG RF : 31282		% RSD : 2.683	AVG RT : 8.7958

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: GENV01
ProjectID: Newport
Lab Code: ACE SDG No.: Q3277
DataFile: FB032236.D Analyst Name: YP/AJ Analyst Date: 10-08-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5484701	30471	31282	2.593

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: GENV01
ProjectID: Newport
Lab Code: ACE SDG No.: Q3277
DataFile: FB032246.D Analyst Name: YP/AJ Analyst Date: 10-08-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	4961253	27563	31282	11.889

GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Alliane Contract: GENV01
ProjectID: Newport
Lab Code: ACE SDG No.: Q3277
DataFile: FB032252.D Analyst Name: YP/AJ Analyst Date: 10-08-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5708808	31716	31282	1.387

Analytical Sequence

Client: G Environmental

SDG No.: Q3277

Project: Newport

Instrument ID: FID_B

GC Column: RTX-502.2 ID: 0.53 (mm)

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

MEAN SUROGATE RT FROM INITIAL CALIBRATION 8.7958					
CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	8 Oct 2025 9:25	FB032236.D	8.796	
VBF1008S1	VBF1008S1	8 Oct 2025 10:11	FB032237.D	8.798	
BSF1008S1	BSF1008S1	8 Oct 2025 11:06	FB032239.D	8.800	
BSF1008S2	BSF1008S2	8 Oct 2025 11:34	FB032240.D	8.799	
20 PPB GRO STD	20 PPB GRO STD	8 Oct 2025 14:54	FB032246.D	8.800	
WC1	Q3277-01	8 Oct 2025 16:34	FB032249.D	8.799	
20 PPB GRO STD	20 PPB GRO STD	8 Oct 2025 18:24	FB032252.D	8.798	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
Data File : FB032249.D
Signal(s) : FID2B.CH
Acq On : 8 Oct 2025 16:34
Operator : YP/AJ
Sample : Q3277-01
Misc : 4.74G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
WC1

A
B
C
D
E
F
G
H
I

Integration File: Calibrat.e
Quant Time: Oct 09 04:15:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.799	302937	16.924 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

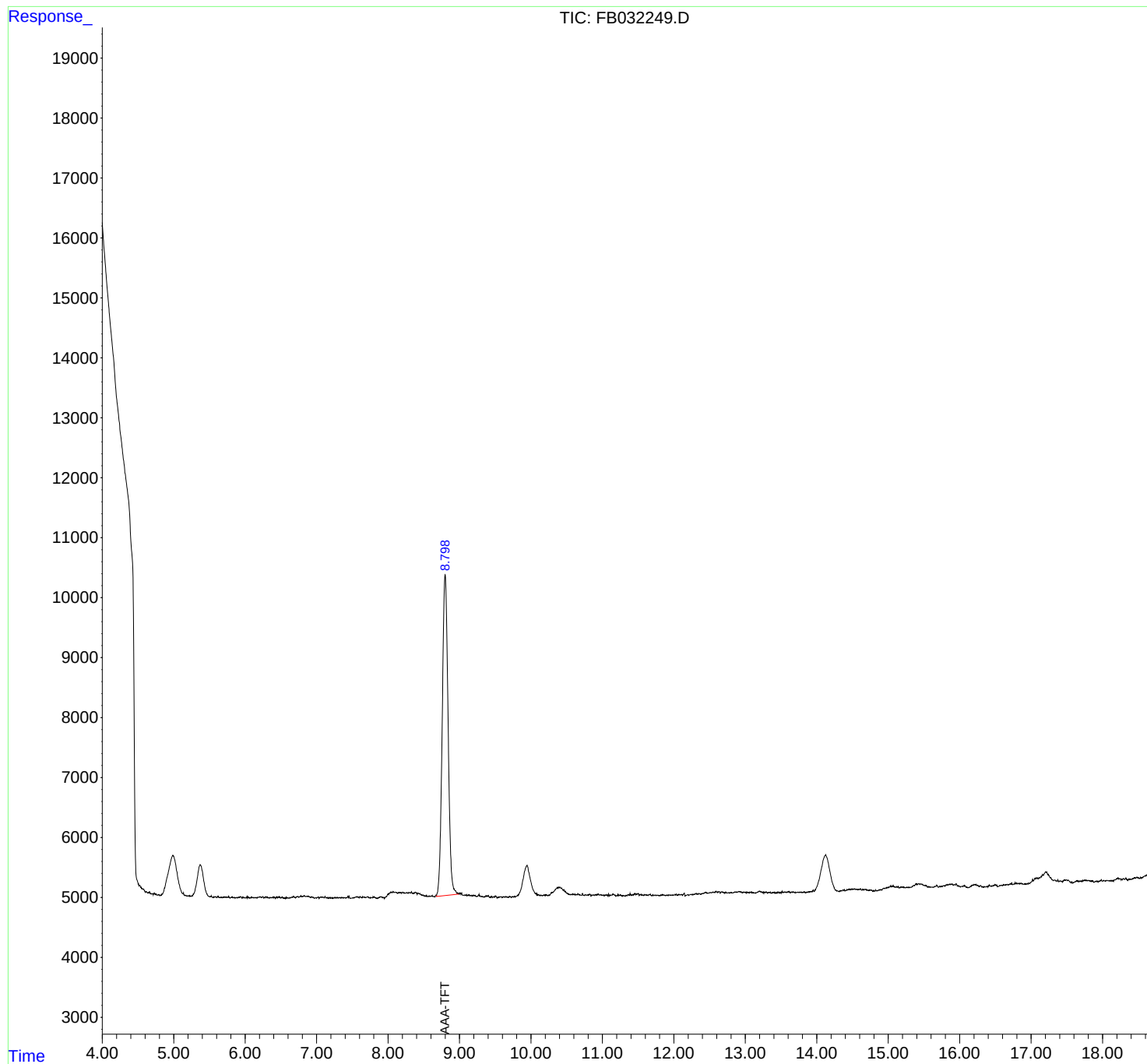
(m)=manual int.

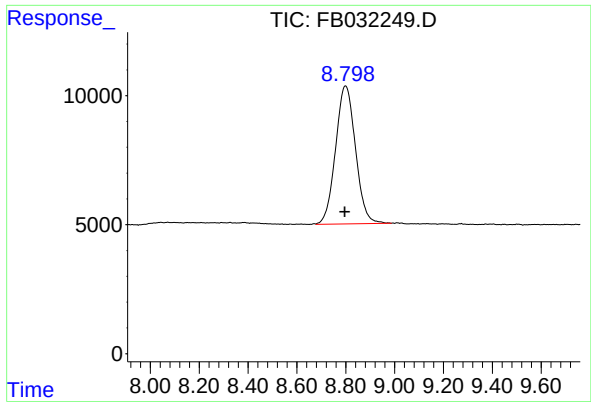
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
Data File : FB032249.D
Signal(s) : FID2B.CH
Acq On : 8 Oct 2025 16:34
Operator : YP/AJ
Sample : Q3277-01
Misc : 4.74G/5.00 ML DI WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
WC1

Integration File: Calibrat.e
Quant Time: Oct 09 04:15:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.799 min

Delta R.T.: 0.003 min

Response: 302937

Conc: 16.92 ng/ml

Instrument :
FID_B
ClientSampleId :
WC1

- A
- B
- C
- D
- E
- F
- G
- H
- I

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
 Data File : FB032249.D
 Signal(s) : FID2B.CH
 Acq On : 8 Oct 2025 16:34
 Sample : Q3277-01
 Misc : 4.74G/5.00 ML DI WATER
 ALS Vial : 3 Sample Multiplier: 1

Integration File: SAMPLE.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.525	4.487	4.605	BV	-25	-823	-0.26%	-0.135%
2	4.615	4.605	4.639	PV	17	198	0.06%	0.033%
3	4.660	4.639	4.691	VV	20	287	0.09%	0.047%
4	4.707	4.691	4.715	VV	12	111	0.04%	0.018%
5	4.729	4.715	4.742	PV	33	288	0.09%	0.047%
6	4.753	4.742	4.773	VV	22	163	0.05%	0.027%
7	4.788	4.773	4.810	VV	13	187	0.06%	0.031%
8	5.136	5.128	5.157	VV	55	642	0.21%	0.105%
9	5.167	5.157	5.181	VV	24	248	0.08%	0.041%
10	5.188	5.181	5.197	VV	16	122	0.04%	0.020%
11	5.224	5.197	5.248	VV	17	391	0.13%	0.064%
12	5.528	5.509	5.551	VV	28	318	0.10%	0.052%
13	5.586	5.551	5.605	PV	17	274	0.09%	0.045%
14	5.625	5.605	5.650	VV	25	276	0.09%	0.045%
15	5.666	5.650	5.684	VV	12	140	0.04%	0.023%
16	5.712	5.684	5.723	VV	16	252	0.08%	0.041%
17	5.731	5.723	5.748	VV	16	179	0.06%	0.029%
18	5.772	5.748	5.788	VV	28	326	0.10%	0.053%
19	5.815	5.788	5.839	PV	18	314	0.10%	0.052%
20	5.849	5.839	5.884	VV	15	211	0.07%	0.035%
21	5.889	5.884	5.900	VV	11	73	0.02%	0.012%
22	5.929	5.900	5.965	VV	23	588	0.19%	0.097%
23	5.973	5.965	5.985	VV	19	175	0.06%	0.029%
24	5.998	5.985	6.013	VV	14	135	0.04%	0.022%
25	6.028	6.013	6.063	VV	33	447	0.14%	0.073%
26	6.089	6.063	6.138	VV	19	516	0.17%	0.085%
27	6.143	6.138	6.152	VV	18	115	0.04%	0.019%
28	6.210	6.152	6.230	VV	26	837	0.27%	0.137%
29	6.249	6.230	6.263	VV	33	380	0.12%	0.062%
30	6.271	6.263	6.280	VV	19	137	0.04%	0.023%
31	6.288	6.280	6.305	VV	31	346	0.11%	0.057%

					rt (min)	Area	%Area	%Area
32	6.310	6.305	6.357	VV	30	493	0.16%	0.081%
33	6.366	6.357	6.375	VV	19	181	0.06%	0.030%
34	6.392	6.375	6.400	VV	27	292	0.09%	0.048%
35	6.408	6.400	6.425	VV	22	259	0.08%	0.042%
36	6.440	6.425	6.450	VV	33	293	0.09%	0.048%
37	6.461	6.450	6.504	VV	30	663	0.21%	0.109%
38	6.517	6.504	6.547	VV	30	432	0.14%	0.071%
39	6.552	6.547	6.561	VV	15	82	0.03%	0.013%
40	6.581	6.561	6.590	PV	24	248	0.08%	0.041%
41	6.595	6.590	6.634	VV	15	314	0.10%	0.052%
42	6.679	6.634	6.708	VV	42	1046	0.33%	0.172%
43	6.738	6.708	6.753	VV	36	795	0.25%	0.130%
44	6.934	6.928	6.969	VV	34	491	0.16%	0.081%
45	6.981	6.969	6.997	VV	14	163	0.05%	0.027%
46	7.007	6.997	7.012	VV	15	110	0.04%	0.018%
47	7.025	7.012	7.037	VV	27	287	0.09%	0.047%
48	7.069	7.037	7.078	VV	27	471	0.15%	0.077%
49	7.090	7.078	7.106	VV	25	333	0.11%	0.055%
50	7.120	7.106	7.134	VV	38	344	0.11%	0.056%
51	7.149	7.134	7.165	VV	21	224	0.07%	0.037%
52	7.179	7.165	7.189	VV	17	122	0.04%	0.020%
53	7.266	7.189	7.276	VV	17	481	0.15%	0.079%
54	7.293	7.276	7.303	VV	19	216	0.07%	0.036%
55	7.323	7.303	7.337	VV	16	224	0.07%	0.037%
56	7.345	7.337	7.381	VV	17	336	0.11%	0.055%
57	7.389	7.381	7.405	VV	15	158	0.05%	0.026%
58	7.436	7.405	7.471	VV	33	649	0.21%	0.107%
59	7.559	7.471	7.596	PV	27	1003	0.32%	0.165%
60	7.610	7.596	7.641	VV	29	449	0.14%	0.074%
61	7.657	7.641	7.694	VV	23	508	0.16%	0.083%
62	7.713	7.694	7.751	VB	28	533	0.17%	0.088%
63	7.808	7.783	7.852	BV	24	417	0.13%	0.068%
64	7.904	7.852	7.952	PV	34	1141	0.37%	0.187%
65	8.044	7.952	8.057	VV	111	4173	1.34%	0.685%
66	8.072	8.057	8.083	VV	119	1674	0.54%	0.275%
67	8.099	8.083	8.139	VV	106	3283	1.05%	0.539%
68	8.153	8.139	8.166	VV	105	1606	0.51%	0.264%
69	8.175	8.166	8.188	VV	101	1284	0.41%	0.211%
70	8.209	8.188	8.241	VV	105	2978	0.95%	0.489%
71	8.265	8.241	8.282	VV	99	2296	0.74%	0.377%
72	8.293	8.282	8.314	VV	103	1786	0.57%	0.293%
73	8.328	8.314	8.353	VV	114	2189	0.70%	0.359%
74	8.386	8.353	8.408	VV	105	2985	0.96%	0.490%
75	8.422	8.408	8.501	VV	85	3727	1.19%	0.612%
76	8.539	8.501	8.564	VV	48	1488	0.48%	0.244%
77	8.574	8.564	8.588	VV	43	502	0.16%	0.082%
78	8.618	8.588	8.658	VV	46	1434	0.46%	0.236%
79	8.799	8.658	8.967	VV	5399	312135	100.00%	51.251%

80	8.973	8.967	9.001	VV	87	1635	0.52%	0.268%
81	9.010	9.001	9.022	VV	91	1038	0.33%	0.170%
82	9.029	9.022	9.051	VV	82	1131	0.36%	0.186%
83	9.071	9.051	9.105	VV	56	1639	0.53%	0.269%
84	9.135	9.105	9.152	VV	56	1422	0.46%	0.234%
85	9.165	9.152	9.177	VV	50	657	0.21%	0.108%
86	9.197	9.177	9.206	VV	52	791	0.25%	0.130%
87	9.221	9.206	9.253	VV	48	1044	0.33%	0.171%
88	9.274	9.253	9.284	VV	63	824	0.26%	0.135%
89	9.288	9.284	9.305	VV	40	388	0.12%	0.064%
90	9.311	9.305	9.317	VV	32	204	0.07%	0.034%
91	9.321	9.317	9.353	VV	31	509	0.16%	0.084%
92	9.373	9.353	9.439	VV	41	1454	0.47%	0.239%
93	9.452	9.439	9.462	VV	32	327	0.10%	0.054%
94	9.474	9.462	9.483	VV	23	217	0.07%	0.036%
95	9.510	9.483	9.526	VV	35	594	0.19%	0.098%
96	9.534	9.526	9.545	PV	15	121	0.04%	0.020%
97	9.586	9.545	9.598	VV	22	571	0.18%	0.094%
98	9.652	9.598	9.678	VV	24	835	0.27%	0.137%
99	9.705	9.678	9.725	VV	25	479	0.15%	0.079%
100	9.768	9.725	9.782	VV	31	692	0.22%	0.114%
101	9.944	9.782	10.157	VV	540	43166	13.83%	7.088%
102	10.181	10.157	10.235	VV	40	1792	0.57%	0.294%
103	10.406	10.235	10.574	VV	172	19944	6.39%	3.275%
104	10.661	10.574	10.705	VV	57	3331	1.07%	0.547%
105	10.721	10.705	10.750	VV	61	962	0.31%	0.158%
106	10.764	10.750	10.808	VV	38	1183	0.38%	0.194%
107	10.825	10.808	10.844	VV	41	758	0.24%	0.125%
108	10.942	10.844	11.000	VV	42	3027	0.97%	0.497%
109	11.013	11.000	11.031	VV	26	460	0.15%	0.076%
110	11.057	11.031	11.114	VV	28	1297	0.42%	0.213%
111	11.150	11.114	11.195	VV	39	1348	0.43%	0.221%
112	11.217	11.195	11.281	VV	43	1057	0.34%	0.174%
113	11.294	11.281	11.309	VV	18	236	0.08%	0.039%
114	11.360	11.309	11.381	VV	30	837	0.27%	0.137%
115	11.391	11.381	11.411	VV	40	502	0.16%	0.082%
116	11.455	11.411	11.473	VV	50	1240	0.40%	0.204%
117	11.503	11.473	11.523	VV	48	1094	0.35%	0.180%
118	11.536	11.523	11.582	VV	26	801	0.26%	0.132%
119	11.595	11.582	11.646	VV	26	802	0.26%	0.132%
120	11.659	11.646	11.696	VV	32	633	0.20%	0.104%
121	11.708	11.696	11.721	VV	23	218	0.07%	0.036%
122	11.738	11.721	11.804	VV	19	641	0.21%	0.105%
123	11.844	11.804	11.884	VV	26	772	0.25%	0.127%
124	12.019	11.884	12.048	VV	27	1415	0.45%	0.232%
125	12.074	12.048	12.122	VV	24	753	0.24%	0.124%
126	12.144	12.122	12.161	VV	39	490	0.16%	0.080%

					rt	Area	Area%	Area%
127	12.196	12.161	12.211	PV	16	296	0.09%	0.049%
128	12.243	12.211	12.257	VV	23	444	0.14%	0.073%
129	12.314	12.257	12.338	VV	32	1096	0.35%	0.180%
130	12.354	12.338	12.374	VV	34	564	0.18%	0.093%
131	12.442	12.374	12.489	VV	51	2426	0.78%	0.398%
132	12.550	12.489	12.564	VV	53	1959	0.63%	0.322%
133	12.591	12.564	12.617	VV	65	1630	0.52%	0.268%
134	12.633	12.617	12.651	VV	58	995	0.32%	0.163%
135	12.671	12.651	12.750	VV	48	2366	0.76%	0.388%
136	12.765	12.750	12.780	VV	36	594	0.19%	0.098%
137	12.807	12.780	12.823	VV	36	860	0.28%	0.141%
138	12.914	12.823	12.962	VV	52	3400	1.09%	0.558%
139	12.978	12.962	13.007	VV	41	887	0.28%	0.146%
140	13.086	13.007	13.143	VV	44	2379	0.76%	0.391%
141	13.197	13.143	13.312	VV	46	3061	0.98%	0.503%
142	13.336	13.312	13.363	VV	28	638	0.20%	0.105%
143	13.402	13.363	13.416	VV	27	592	0.19%	0.097%
144	13.513	13.416	13.535	VV	38	1283	0.41%	0.211%
145	13.551	13.535	13.583	VV	23	620	0.20%	0.102%
146	13.608	13.583	13.630	VV	33	673	0.22%	0.110%
147	13.667	13.630	13.705	VV	25	755	0.24%	0.124%
148	13.782	13.705	13.808	VV	20	830	0.27%	0.136%
149	13.825	13.808	13.842	VV	19	269	0.09%	0.044%
150	13.951	13.842	13.964	VV	48	1446	0.46%	0.237%
151	14.124	13.964	14.315	VV	631	56278	18.03%	9.241%
152	14.532	14.315	14.596	VV	51	6190	1.98%	1.016%
153	14.611	14.596	14.634	VV	53	860	0.28%	0.141%
154	14.649	14.634	14.786	VV	40	2438	0.78%	0.400%
155	15.039	14.786	15.101	PV	77	7602	2.44%	1.248%
156	15.119	15.101	15.135	VV	65	1164	0.37%	0.191%
157	15.142	15.135	15.157	VV	63	732	0.23%	0.120%
158	15.190	15.157	15.239	VV	57	2430	0.78%	0.399%
159	15.391	15.239	15.407	VV	98	5955	1.91%	0.978%
160	15.427	15.407	15.602	VV	100	8003	2.56%	1.314%
161	15.612	15.602	15.627	VV	35	505	0.16%	0.083%
162	15.680	15.627	15.705	VV	60	1974	0.63%	0.324%
163	15.895	15.705	15.938	VV	76	7662	2.45%	1.258%
164	15.953	15.938	16.015	VV	74	1989	0.64%	0.327%
165	16.065	16.015	16.114	VV	45	1412	0.45%	0.232%
166	16.228	16.114	16.277	PV	46	2775	0.89%	0.456%
167	16.294	16.277	16.392	VV	30	516	0.17%	0.085%
Sum of corrected areas:							609030	

FB092225.M Thu Oct 09 05:18:31 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
Data File : FB032237.D
Signal(s) : FID2B.CH
Acq On : 8 Oct 2025 10:11
Operator : YP/AJ
Sample : VBF1008S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF1008S1

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Integration File: Calibrat.e
Quant Time: Oct 09 04:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.798	359746	20.098 ng/ml
Target Compounds			

(f)=RT Delta > 1/2 Window

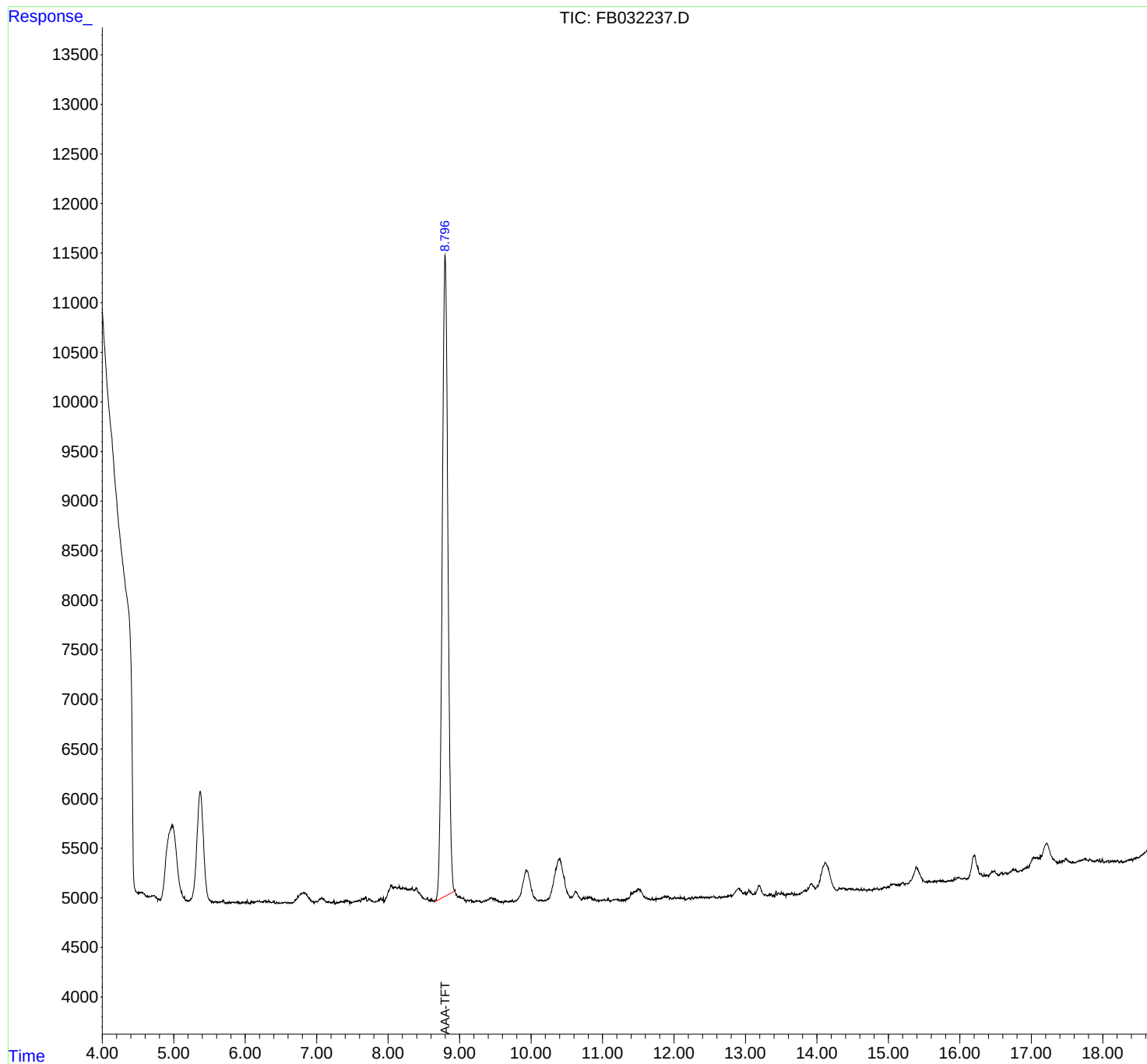
(m)=manual int.

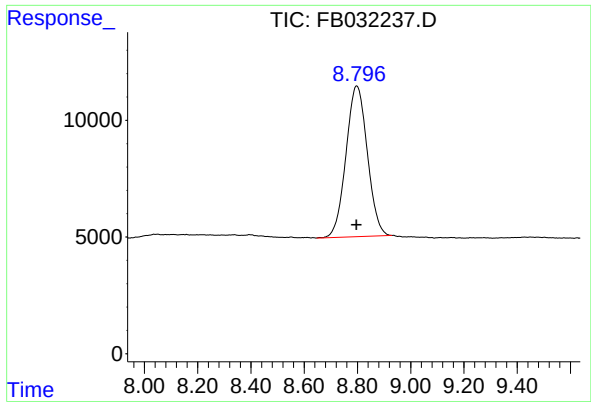
Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
Data File : FB032237.D
Signal(s) : FID2B.CH
Acq On : 8 Oct 2025 10:11
Operator : YP/AJ
Sample : VBF1008S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
VBF1008S1

Integration File: Calibrat.e
Quant Time: Oct 09 04:09:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um





#5 AAA-TFT

R.T.: 8.798 min

Delta R.T.: 0.002 min

Response: 359746

Conc: 20.10 ng/ml

Instrument :
FID_B
ClientSampleId :
VBF1008S1

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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
Data File : FB032237.D
Signal(s) : FID2B.CH
Acq On : 8 Oct 2025 10:11
Sample : VBF1008S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 2 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	8.798	8.646	8.930	PV	6460	359746	100.00%	100.000%
Sum of corrected areas:						359746		

FB092225.M Thu Oct 09 04:55:13 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
Data File : FB032239.D
Signal(s) : FID2B.CH
Acq On : 8 Oct 2025 11:06
Operator : YP/AJ
Sample : BSF1008S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1008S1

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Integration File: Calibrat.e
Quant Time: Oct 09 04:10:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um

Compound		R.T.	Response	Conc Units

System Monitoring Compounds				
5) s	AAA-TFT	8.800	364181	20.346 ng/ml
Target Compounds				
1) t	2-Methylpentane	4.716	797639	29.535 ng/ml
2) t	2,2,4-Trimethylpentane	7.426	920023	32.569 ng/ml
3) t	n-Heptane	7.759	277011	10.138 ng/ml
4) t	Benzene	7.897	338968	9.379 ng/ml
6) t	Toluene	10.628	1054461	28.312 ng/ml
7) t	Ethylbenzene	13.064	311205	9.520 ng/ml
8) t	m-Xylene	13.197	643824	18.889 ng/ml
9) t	O-Xylene	13.924	616388	18.876 ng/ml
10) t	1,2,4-Trimethylbenzene	16.199	522635	18.685 ng/ml

(f)=RT Delta > 1/2 Window

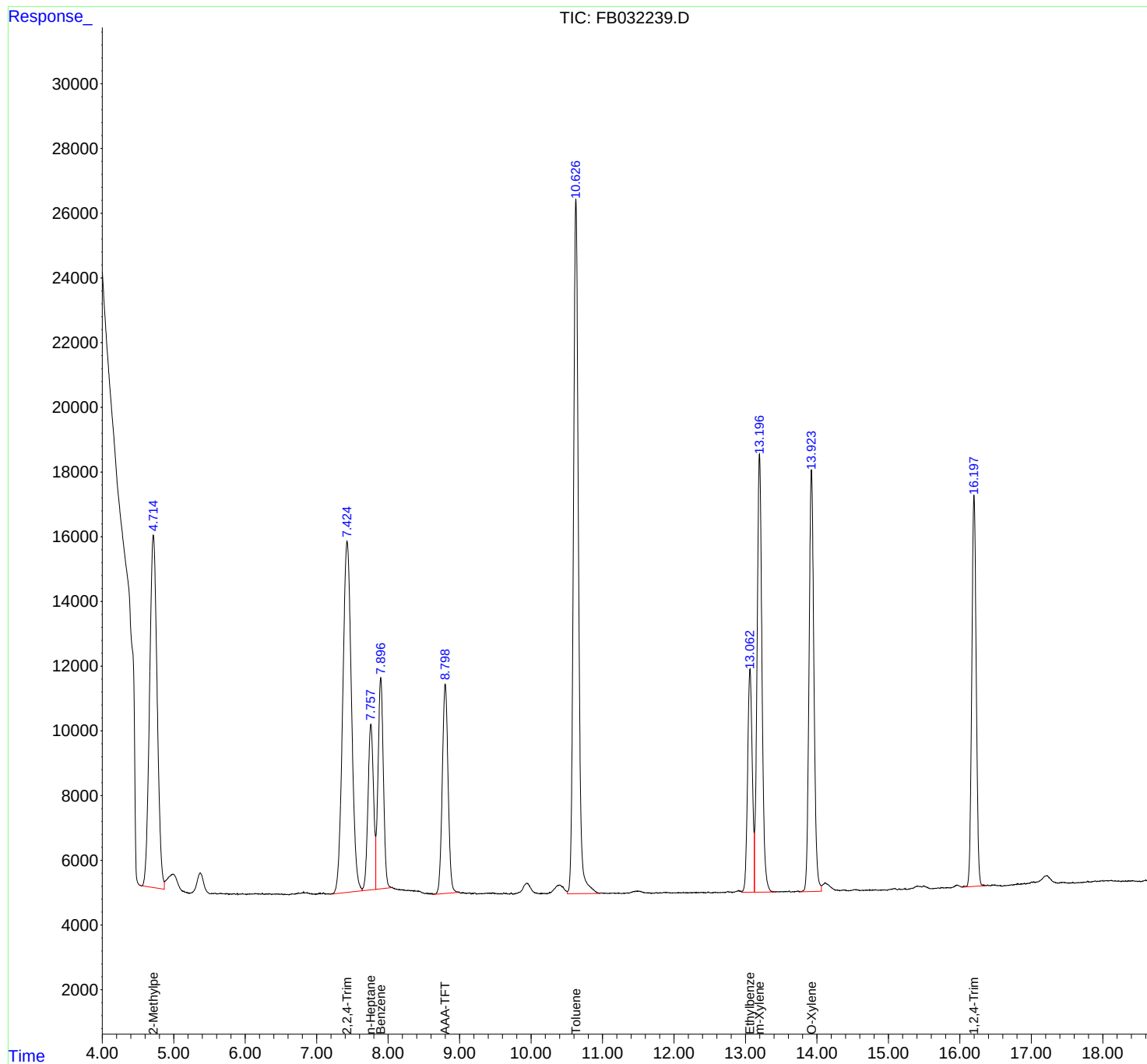
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
Data File : FB032239.D
Signal(s) : FID2B.CH
Acq On : 8 Oct 2025 11:06
Operator : YP/AJ
Sample : BSF1008S1
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
FID_B
ClientSampleId :
BSF1008S1

Integration File: Calibrat.e
Quant Time: Oct 09 04:10:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
Quant Title :
QLast Update : Mon Sep 22 12:16:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 5 g/ml
Signal Phase : RTX-502.2
Signal Info : 60mx0.53mmx3.00um



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Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
 Data File : FB032239.D
 Signal(s) : FID2B.CH
 Acq On : 8 Oct 2025 11:06
 Sample : BSF1008S1
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 4 Sample Multiplier: 1

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
 Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.716	4.540	4.869	BV	10892	797639	75.64%	13.643%
2	7.426	7.225	7.636	PV	10855	920023	87.25%	15.737%
3	7.759	7.636	7.827	VV	5119	277011	26.27%	4.738%
4	7.897	7.827	8.047	VV	6515	338968	32.15%	5.798%
5	8.800	8.630	8.985	PV	6478	364181	34.54%	6.229%
6	10.628	10.508	10.964	VV	21462	1054461	100.00%	18.036%
7	13.064	12.943	13.125	VV	6899	311205	29.51%	5.323%
8	13.197	13.125	13.419	VB	13537	643824	61.06%	11.012%
9	13.924	13.753	14.063	PV	13027	616388	58.46%	10.543%
10	16.199	16.041	16.375	PV	12082	522635	49.56%	8.940%

Sum of corrected areas: 5846335

FB092225.M Thu Oct 09 04:56:15 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
 Data File : FB032240.D
 Signal(s) : FID2B.CH
 Acq On : 8 Oct 2025 11:34
 Operator : YP/AJ
 Sample : BSF1008S2
 Misc : 5.00G/5.00 ML DI WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

FID_B

ClientSampleId :

BSF1008S2

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/11/2025

Supervised By :mohammad ahmed 10/11/2025

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Integration File: Calibrat.e
 Quant Time: Oct 09 04:10:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M
 Quant Title :
 QLast Update : Mon Sep 22 12:16:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 5 g/ml
 Signal Phase : RTX-502.2
 Signal Info : 60mx0.53mmx3.00um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
5) s AAA-TFT	8.799	383084	21.402 ng/ml
Target Compounds			
1) t 2-Methylpentane	4.717	863985	31.992 ng/ml
2) t 2,2,4-Trimethylpentane	7.430	982543	34.782 ng/ml
3) t n-Heptane	7.759	314183	11.499 ng/ml
4) t Benzene	7.897	374220	10.355 ng/ml
6) t Toluene	10.628	1120985	30.098 ng/ml
7) t Ethylbenzene	13.064	331461	10.140 ng/ml
8) t m-Xylene	13.197	688894	20.211 ng/ml
9) t O-Xylene	13.922	659781	20.205 ng/ml
10) t 1,2,4-Trimethylbenzene	16.200	571773	20.441 ng/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB100825\
Data File : FB032240.D
Signal(s) : FID2B.CH
Acq On : 8 Oct 2025 11:34
Operator : YP/AJ
Sample : BSF1008S2
Misc : 5.00G/5.00 ML DI WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :

FID_B

ClientSampleId :

BSF1008S2

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 10/11/2025

Supervised By :mohammad ahmed 10/11/2025

Integration File: Calibrat.e

Quant Time: Oct 09 04:10:22 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M

Quant Title :

QLast Update : Mon Sep 22 12:16:10 2025

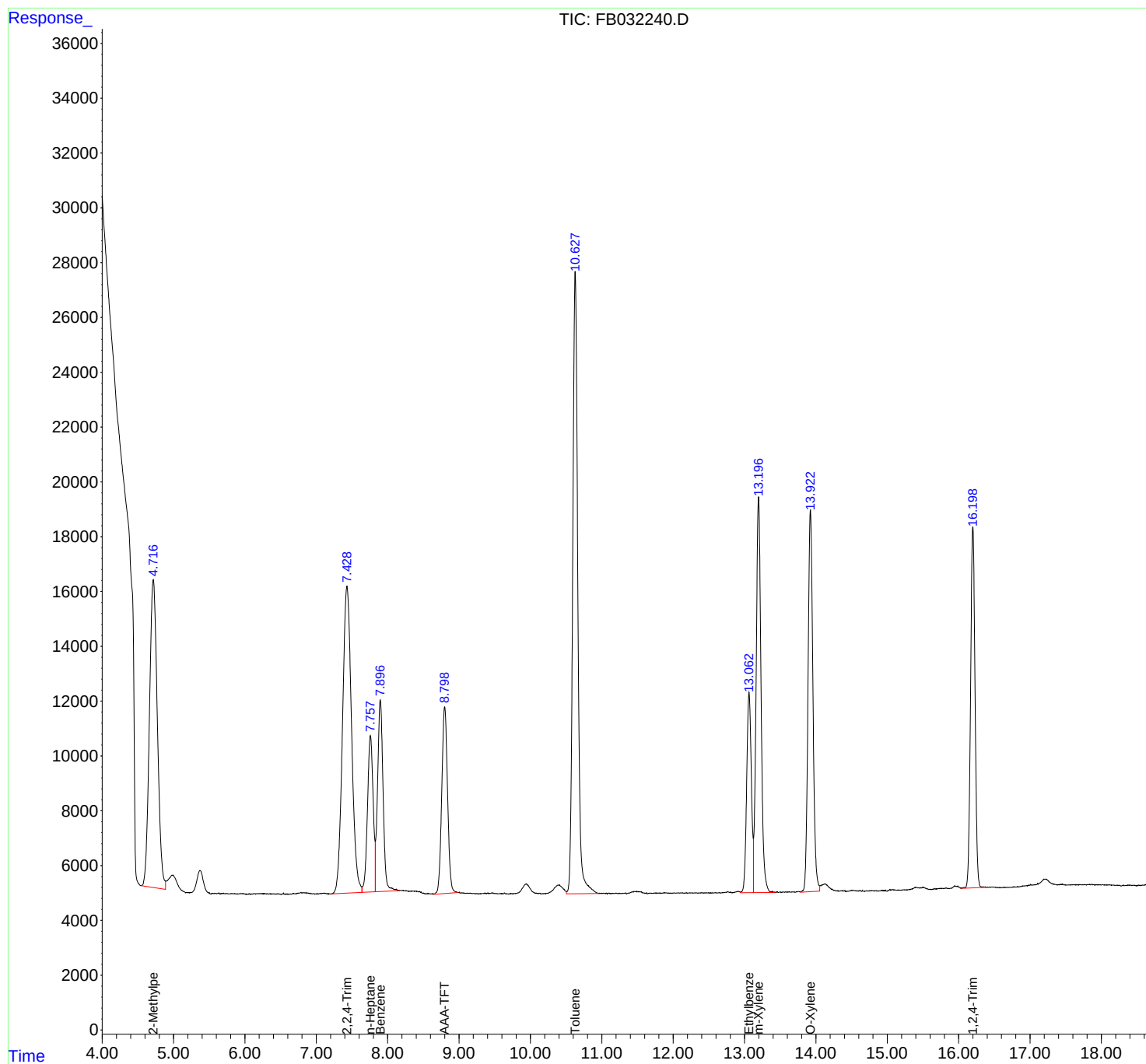
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 5 g/ml

Signal Phase : RTX-502.2

Signal Info : 60mx0.53mmx3.00um



Instrument :

FID_B

ClientSampleId :

BSF1008S2

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Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_B\Data\FB

Data File : FB032240.D

Signal(s) : FID2B.CH

Acq On : 8 Oct 2025 11:34

Sample : BSF1008S2

Misc : 5.00G/5.00 ML DI WATER

ALS Vial : 5 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/11/2025

Supervised By :mohammad ahmed 10/11/2025

Integration File: Calibration.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_B\Method\FB092225.M

Title :

Signal : FID2B.CH

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	4.717	4.543	4.889	BV	11231	863985	77.07%	13.725%
2	7.430	7.223	7.640	PV	11206	982543	87.65%	15.608%
3	7.759	7.640	7.828	VV	5704	314183	28.03%	4.991%
4	7.897	7.828	8.167	VB	6990	374220	33.38%	5.945%
5	8.799	8.651	8.988	BV	6812	383084	34.17%	6.085%
6	10.628	10.505	10.961	VV	22695	1120985	100.00%	17.807%
7	13.064	12.942	13.125	VV	7314	331461	29.57%	5.265%
8	13.197	13.125	13.427	VV	14426	688894	61.45%	10.943%
9	13.924	13.427	14.070	PV	13927	663907	59.23%	10.547%
10	16.200	16.034	16.403	PBA	13177	571773	51.01%	9.083%

Sum of corrected areas: 6295036

FB092225.M Thu Oct 09 04:58:56 2025

Manual Integration Report

Sample ID	ClientID ID	File ID	Sequence ID	Parameter	Supervised By	Supervised On	Reason
20 PPB GRO STD		FB032236.D	FB100825	2-Methylpentane	mohammad	10/11/2025 1:56:51 AM	Peak Integrated by Software incorrectly
BSF1008S2		FB032240.D	FB100825	O-Xylene	mohammad	10/11/2025 1:56:51 AM	Peak Integrated by Software incorrectly
Q3301-01		FB032241.D	FB100825	AAA-TFT	mohammad	10/11/2025 1:56:51 AM	Peak Integrated by Software incorrectly
Q3277-01		FB032243.D	FB100825	AAA-TFT	mohammad	10/11/2025 1:56:51 AM	Peak Integrated by Software incorrectly

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB092225

Review By	yogesh	Review On	9/24/2025 9:01:10 AM
Supervise By	mohammad	Supervise On	9/25/2025 2:24:54 AM
SubDirectory	FB092225	HP Acquire Method	FID_B
		HP Processing Method	FB092225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24717,PP24931,PP24932,PP24933,PP24934,PP24935		
CCC Internal Standard/PEM	PP24937,PP24938		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24718,PP24936		

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	5 GRO STD	FB032214.D	22 Sep 2025 9:53	YP/AJ	Ok
2	10 GRO STD	FB032215.D	22 Sep 2025 10:21	YP/AJ	Ok
3	20 GRO STD	FB032216.D	22 Sep 2025 10:48	YP/AJ	Ok
4	50 GRO STD	FB032217.D	22 Sep 2025 11:16	YP/AJ	Ok
5	100 GRO STD	FB032218.D	22 Sep 2025 11:44	YP/AJ	Ok
6	FB0922GROICV	FB032219.D	22 Sep 2025 12:43	YP/AJ	Ok
7	20 PPB GRO STD	FB032220.D	22 Sep 2025 13:23	YP/AJ	Ok
8	BSF0922S1	FB032221.D	22 Sep 2025 14:08	YP/AJ	Not Ok
9	VBF0922S2	FB032222.D	22 Sep 2025 14:35	YP/AJ	Ok
10	VBF0922S1	FB032223.D	22 Sep 2025 15:03	YP/AJ	Ok
11	Q3123-01	FB032224.D	22 Sep 2025 15:31	YP/AJ	Ok
12	Q3157-01	FB032225.D	22 Sep 2025 15:59	YP/AJ	Not Ok
13	BSF0922S1	FB032226.D	22 Sep 2025 16:35	YP/AJ	Ok
14	BSF0922S2	FB032227.D	22 Sep 2025 17:02	YP/AJ	Ok
15	20 PPB GRO STD	FB032228.D	22 Sep 2025 17:58	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB100825

Review By	yogesh	Review On	10/8/2025 3:11:07 PM
Supervise By	mohammad	Supervise On	10/11/2025 1:56:51 AM
SubDirectory	FB100825	HP Acquire Method	FID_B
		HP Processing Method	FB092225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24717,PP24931,PP24932,PP24933,PP24934,PP24935		
CCC Internal Standard/PEM	PP24991,PP24992,PP24993		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24718,PP24936		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	20 PPB GRO STD	FB032236.D	8 Oct 2025 9:25	YP/AJ	Ok,M
2	VBF1008S1	FB032237.D	8 Oct 2025 10:11	YP/AJ	Ok
3	VBF1008S2	FB032238.D	8 Oct 2025 10:39	YP/AJ	Ok
4	BSF1008S1	FB032239.D	8 Oct 2025 11:06	YP/AJ	Ok
5	BSF1008S2	FB032240.D	8 Oct 2025 11:34	YP/AJ	Ok,M
6	Q3301-01	FB032241.D	8 Oct 2025 12:19	YP/AJ	Dilution
7	Q3305-01	FB032242.D	8 Oct 2025 12:47	YP/AJ	Not Ok
8	Q3277-01	FB032243.D	8 Oct 2025 13:15	YP/AJ	Not Ok
9	Q3301-01	FB032244.D	8 Oct 2025 13:59	YP/AJ	Ok
10	I.BLK	FB032245.D	8 Oct 2025 14:26	YP/AJ	Ok
11	20 PPB GRO STD	FB032246.D	8 Oct 2025 14:54	YP/AJ	Ok
12	Q3305-01	FB032247.D	8 Oct 2025 15:39	YP/AJ	Ok
13	Q3305-01	FB032248.D	8 Oct 2025 16:06	YP/AJ	Not Ok
14	Q3277-01	FB032249.D	8 Oct 2025 16:34	YP/AJ	Ok
15	Q3277-01	FB032250.D	8 Oct 2025 17:01	YP/AJ	Not Ok
16	BSF1008S3	FB032251.D	8 Oct 2025 17:29	YP/AJ	Ok
17	20 PPB GRO STD	FB032252.D	8 Oct 2025 18:24	YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB092225

Review By	yogesh	Review On	9/24/2025 9:01:10 AM
Supervise By	mohammad	Supervise On	9/25/2025 2:24:54 AM
SubDirectory	FB092225	HP Acquire Method	FID_B
		HP Processing Method	FB092225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24717,PP24931,PP24932,PP24933,PP24934,PP24935		
CCC	PP24937,PP24938		
Internal Standard/PEM			
ICV/I.BLK	PP24718,PP24936		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	5 GRO STD		FB032214.D	22 Sep 2025 9:53		YP/AJ	Ok
2	10 GRO STD		FB032215.D	22 Sep 2025 10:21		YP/AJ	Ok
3	20 GRO STD		FB032216.D	22 Sep 2025 10:48		YP/AJ	Ok
4	50 GRO STD		FB032217.D	22 Sep 2025 11:16		YP/AJ	Ok
5	100 GRO STD		FB032218.D	22 Sep 2025 11:44		YP/AJ	Ok
6	FB0922GROICV		FB032219.D	22 Sep 2025 12:43		YP/AJ	Ok
7	20 PPB GRO STD		FB032220.D	22 Sep 2025 13:23		YP/AJ	Ok
8	BSF0922S1		FB032221.D	22 Sep 2025 14:08	Not Used	YP/AJ	Not Ok
9	VBF0922S2		FB032222.D	22 Sep 2025 14:35		YP/AJ	Ok
10	VBF0922S1		FB032223.D	22 Sep 2025 15:03		YP/AJ	Ok
11	Q3123-01		FB032224.D	22 Sep 2025 15:31		YP/AJ	Ok
12	Q3157-01		FB032225.D	22 Sep 2025 15:59	Vial A not Purged	YP/AJ	Not Ok
13	BSF0922S1		FB032226.D	22 Sep 2025 16:35		YP/AJ	Ok
14	BSF0922S2		FB032227.D	22 Sep 2025 17:02		YP/AJ	Ok
15	20 PPB GRO STD		FB032228.D	22 Sep 2025 17:58		YP/AJ	Ok

M : Manual Integration

Instrument ID: FID_B

Daily Analysis Runlog For Sequence/QC Batch ID # FB100825

Review By	yogesh	Review On	10/8/2025 3:11:07 PM		
Supervise By	mohammad	Supervise On	10/11/2025 1:56:51 AM		
SubDirectory	FB100825	HP Acquire Method	FID_B	HP Processing Method	FB092225
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		PP24717,PP24931,PP24932,PP24933,PP24934,PP24935			
CCC Internal Standard/PEM		PP24991,PP24992,PP24993			
ICV/I.BLK Surrogate Standard		PP24718,PP24936			
MS/MSD Standard LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	20 PPB GRO STD		FB032236.D	8 Oct 2025 9:25		YP/AJ	Ok,M
2	VBF1008S1		FB032237.D	8 Oct 2025 10:11		YP/AJ	Ok
3	VBF1008S2		FB032238.D	8 Oct 2025 10:39		YP/AJ	Ok
4	BSF1008S1		FB032239.D	8 Oct 2025 11:06		YP/AJ	Ok
5	BSF1008S2		FB032240.D	8 Oct 2025 11:34		YP/AJ	Ok,M
6	Q3301-01		FB032241.D	8 Oct 2025 12:19	Vial A,Need 50X	YP/AJ	Dilution
7	Q3305-01		FB032242.D	8 Oct 2025 12:47	Carryover	YP/AJ	Not Ok
8	Q3277-01		FB032243.D	8 Oct 2025 13:15	Carryover	YP/AJ	Not Ok
9	Q3301-01		FB032244.D	8 Oct 2025 13:59	Vial C	YP/AJ	Ok
10	I.BLK		FB032245.D	8 Oct 2025 14:26		YP/AJ	Ok
11	20 PPB GRO STD		FB032246.D	8 Oct 2025 14:54		YP/AJ	Ok
12	Q3305-01		FB032247.D	8 Oct 2025 15:39	Vial B	YP/AJ	Ok
13	Q3305-01		FB032248.D	8 Oct 2025 16:06	Not Required	YP/AJ	Not Ok
14	Q3277-01		FB032249.D	8 Oct 2025 16:34	Vial B	YP/AJ	Ok
15	Q3277-01		FB032250.D	8 Oct 2025 17:01	Not Required	YP/AJ	Not Ok
16	BSF1008S3		FB032251.D	8 Oct 2025 17:29		YP/AJ	Ok
17	20 PPB GRO STD		FB032252.D	8 Oct 2025 18:24		YP/AJ	Ok

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3277	OrderDate:	10/2/2025 3:50:00 PM
Client:	G Environmental	Project:	Newport
Contact:	Gary Landis	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3277-01	WC1	SOIL			09/30/25			10/02/25
			Gasoline Range Organics	8015D			10/08/25	
			PCB	8082A		10/06/25	10/06/25	
			EPH_NF	NJEPH		10/03/25	10/04/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3277

Order ID: Q3277

Client: G Environmental

Project ID: Newport

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
-----------	-----------	--------	-----------	---------------	---	-----	-----	-------

Client ID :

Total Concentration: 0.000

A
B
C
D
E
F
G
H
I
J
K
L



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	97.6
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO114257.D	1	10/06/25 08:43	10/06/25 13:05	PB169987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.00	U	4.00	17.4	ug/kg
11104-28-2	Aroclor-1221	4.10	U	4.10	17.4	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	17.4	ug/kg
53469-21-9	Aroclor-1242	4.10	U	4.10	17.4	ug/kg
12672-29-6	Aroclor-1248	6.00	U	6.00	17.4	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	17.4	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	17.4	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	17.4	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	17.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.4		32 - 144	122%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		32 - 175	115%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: Q3277

Client: G Environmental

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PO113719.D	PIBLK-PO113719.D	Tetrachloro-m-xyl	1	20	17.0	85		60	140
		Decachlorobiphen	1	20	17.3	86		60	140
		Tetrachloro-m-xyl	2	20	17.0	85		60	140
		Decachlorobiphen	2	20	18.1	91		60	140
I.BLK-PO114253.D	PIBLK-PO114253.D	Tetrachloro-m-xyl	1	20	18.2	91		60	140
		Decachlorobiphen	1	20	17.6	88		60	140
		Tetrachloro-m-xyl	2	20	17.7	89		60	140
		Decachlorobiphen	2	20	18.1	91		60	140
PB169987BL	PB169987BL	Tetrachloro-m-xyl	1	20	20.5	102		32	144
		Decachlorobiphen	1	20	20.3	102		32	175
		Tetrachloro-m-xyl	2	20	19.4	97		32	144
		Decachlorobiphen	2	20	19.6	98		32	175
PB169987BS	PB169987BS	Tetrachloro-m-xyl	1	20	19.7	99		32	144
		Decachlorobiphen	1	20	20.1	101		32	175
		Tetrachloro-m-xyl	2	20	18.5	92		32	144
		Decachlorobiphen	2	20	19.9	100		32	175
Q3277-01	WC1	Tetrachloro-m-xyl	1	20	24.4	122		32	144
		Decachlorobiphen	1	20	22.6	113		32	175
		Tetrachloro-m-xyl	2	20	22.9	115		32	144
		Decachlorobiphen	2	20	22.9	115		32	175
Q3288-01MS	TR-01-100325MS	Tetrachloro-m-xyl	1	20	12.9	65		32	144
		Decachlorobiphen	1	20	13.8	69		32	175
		Tetrachloro-m-xyl	2	20	13.6	68		32	144
		Decachlorobiphen	2	20	14.6	73		32	175
Q3288-01MSD	TR-01-100325MSD	Tetrachloro-m-xyl	1	20	13.3	67		32	144
		Decachlorobiphen	1	20	12.7	64		32	175
		Tetrachloro-m-xyl	2	20	14.1	70		32	144
		Decachlorobiphen	2	20	14.1	70		32	175
I.BLK-PO114268.D	PIBLK-PO114268.D	Tetrachloro-m-xyl	1	20	17.7	88		60	140
		Decachlorobiphen	1	20	14.6	73		60	140
		Tetrachloro-m-xyl	2	20	17.5	87		60	140
		Decachlorobiphen	2	20	16.1	81		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3277</u>	Analytical Method:	<u>8082A</u>
Client:	<u>G Environmental</u>	DataFile :	<u>PO114259.D</u>

		Sample				Rec		RPD		Limits	
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High
Lab Sample ID:	Q3288-01MS	Client Sample ID:	TR-01-100325MS								
	(Column 1)										
	AR1016	179.2	0	143	ug/kg	80				55	146
	AR1260	179.2	0	137	ug/kg	76				54	119
Lab Sample ID:	Q3288-01MS	Client Sample ID:	TR-01-100325MS								
	(Column 2)										
	AR1016	179.2	0	160	ug/kg	89				55	146
	AR1260	179.2	0	141	ug/kg	79				54	119

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q3277</u>	Analytical Method:	<u>8082A</u>
Client:	<u>G Environmental</u>	DataFile :	<u>PO114260.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q3288-01MSD (Column 1)	Client Sample ID:	TR-01-100325MSD									
	AR1016	178.9	0	150	ug/kg	84		5		55	146	15
	AR1260	178.9	0	130	ug/kg	73		4		54	119	15
Lab Sample ID:	Q3288-01MSD (Column 2)	Client Sample ID:	TR-01-100325MSD									
	AR1016	178.9	0	158	ug/kg	88		1		55	146	15
	AR1260	178.9	0	135	ug/kg	75		5		54	119	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3277</u>	Analytical Method:	<u>8082A</u>
Client:	<u>G Environmental</u>	Datafile :	<u>PO114255.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB169987BS (Column 1)	AR1016	166.5	180	ug/kg	108				71	120	
	AR1260	166.5	182	ug/kg	109				65	130	
PB169987BS (Column 2)	AR1016	166.5	167	ug/kg	100				71	120	
	AR1260	166.5	149	ug/kg	89				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB169987BL

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab Sample ID: PB169987BL

Lab File ID: PO114254.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/06/2025

Date Analyzed (1): 10/06/2025

Date Analyzed (2): 10/06/2025

Time Analyzed (1): 12:10

Time Analyzed (2): 12:10

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 ID: 0.32 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB169987BS	PB169987BS	PO114255.D	10/06/2025	10/06/2025
WC1	Q3277-01	PO114257.D	10/06/2025	10/06/2025
TR-01-100325MS	Q3288-01MS	PO114259.D	10/06/2025	10/06/2025
TR-01-100325MSD	Q3288-01MSD	PO114260.D	10/06/2025	10/06/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Newport		Date Received:		
Client Sample ID:	PB169987BL		SDG No.:	Q3277	
Lab Sample ID:	PB169987BL		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO114254.D	1	10/06/25 08:43	10/06/25 12:10	PB169987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		32 - 175	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	09/15/25	
Project:	Newport		Date Received:	09/15/25	
Client Sample ID:	PIBLK-PO113719.D		SDG No.:	Q3277	
Lab Sample ID:	I.BLK-PO113719.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO113719.D	1		09/15/25	po091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.3		60 - 140	86%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	10/06/25	
Project:	Newport		Date Received:	10/06/25	
Client Sample ID:	PIBLK-PO114253.D		SDG No.:	Q3277	
Lab Sample ID:	I.BLK-PO114253.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO114253.D	1		10/06/25	PO100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		60 - 140	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140	88%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	10/06/25	
Project:	Newport		Date Received:	10/06/25	
Client Sample ID:	PIBLK-PO114268.D		SDG No.:	Q3277	
Lab Sample ID:	I.BLK-PO114268.D		Matrix:	WATER	
Analytical Method:	8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO114268.D	1		10/06/25	Po100625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		60 - 140	87%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.6		60 - 140	73%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Newport		Date Received:		
Client Sample ID:	PB169987BS		SDG No.:	Q3277	
Lab Sample ID:	PB169987BS		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO114255.D	1	10/06/25 08:43	10/06/25 12:28	PB169987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	180		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	182		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.1		32 - 175	101%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	10/03/25	
Project:	Newport		Date Received:	10/03/25	
Client Sample ID:	TR-01-100325MS		SDG No.:	Q3277	
Lab Sample ID:	Q3288-01MS		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	92.9	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO114259.D	1	10/06/25 08:43	10/06/25 13:41	PB169987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	160		4.20	18.3	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.3	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.3	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.3	ug/kg
12672-29-6	Aroclor-1248	6.40	U	6.40	18.3	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.3	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.3	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.3	ug/kg
11096-82-5	Aroclor-1260	141		3.50	18.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.6		32 - 144	68%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.6		32 - 175	73%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit

Report of Analysis

Client:	G Environmental		Date Collected:	10/03/25	
Project:	Newport		Date Received:	10/03/25	
Client Sample ID:	TR-01-100325MSD		SDG No.:	Q3277	
Lab Sample ID:	Q3288-01MSD		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	92.9	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO114260.D	1	10/06/25 08:43	10/06/25 13:59	PB169987

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	158		4.20	18.3	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.3	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.3	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.3	ug/kg
12672-29-6	Aroclor-1248	6.40	U	6.40	18.3	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.3	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.3	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.3	ug/kg
11096-82-5	Aroclor-1260	135		3.50	18.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	14.1		32 - 144	70%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.1		32 - 175	70%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

P = Indicates >25% difference for detected concentrations between the two GC columns

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

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Contract: GENV01

SDG NO.: Q3277

Calibration Date(s): **09/15/2025** **09/15/2025**

Calibration Times: 09:34 19:21

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:		RT 1000 =	<u>PO113720.D</u>	RT 750 =	<u>PO113721.D</u>
RT 500 =	PO113722.D	RT 250 =	PO113723.D	RT 050 =	PO113724.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Tetrachloro-m-xylene	3.66	3.66	3.66	3.66	3.66	3.66	3.56	3.76

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.62	8.61	8.61	8.62	8.61	8.62	8.52	8.72
Tetrachloro-m-xylene	3.65	3.65	3.65	3.65	3.65	3.65	3.55	3.75

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: GENV01
SDG NO.: Q3277

Calibration Date(s): 09/15/2025 09/15/2025
Calibration Times: 09:34 19:21

GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID:		CF 1000 =	PO113720.D	CF 750 =	PO113721.D			
CF 500 =		PO113722.D	CF 250 =	PO113723.D	CF 050 =	PO113724.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	279831097	287472752	292257338	332268632	325738980	303513760	8
Aroclor-1016-2	(2)	419615441	429789385	439630440	492863176	493423100	455064308	8
Aroclor-1016-3	(3)	264606829	274358713	282734982	335166652	339181720	299209779	12
Aroclor-1016-4	(4)	220679515	227430096	236573942	251207960	266000940	240378491	8
Aroclor-1016-5	(5)	221161183	229729939	240498310	258108880	251005100	240100682	6
Aroclor-1260-1	(1)	451552761	471491176	474059886	507788164	546116300	490201657	8
Aroclor-1260-2	(2)	696304563	729550533	748950352	813407288	840985420	765839631	8
Aroclor-1260-3	(3)	574976216	607269133	635434940	723540836	822837840	672811793	15
Aroclor-1260-4	(4)	393925161	402138616	416474848	460301232	490840000	432735971	10
Aroclor-1260-5	(5)	1123652016	1096405636	1111782554	1193531308	1138663840	1132807071	3
Decachlorobiphenyl		6329905650	6344624080	6521704980	7067879800	7187292000	6690281302	6
Tetrachloro-m-xylene		8408389270	8593125013	8709615100	9391670440	8995637600	8819687485	4
Aroclor-1242-1	(1)	238599676	240720349	228247758	257159088	146270660	222199506	20
Aroclor-1242-2	(2)	362617467	360722704	342353350	393496496	221429160	336123835	20
Aroclor-1242-3	(3)	227891791	227998801	217213648	247566408	154288520	214991834	17
Aroclor-1242-4	(4)	185677557	186112447	176530238	202181048	124089440	174918146	17
Aroclor-1242-5	(5)	203750446	205780253	194932678	234457364	207956060	209375360	7
Decachlorobiphenyl		6625063440	6674671280	6788602460	7173491920	4387615000	6329888820	17
Tetrachloro-m-xylene		8568753780	8503816840	8003156340	9089751000	5283727200	7889841032	19
Aroclor-1248-1	(1)	175951880	180949771	185151304	187344088	171954220	180270253	4
Aroclor-1248-2	(2)	241204409	248355665	250410428	264222632	211901240	243218875	8
Aroclor-1248-3	(3)	311971277	319675973	325795004	350237008	314744160	324484684	5
Aroclor-1248-4	(4)	478786582	491838525	498712610	536762996	495510440	500322231	4
Aroclor-1248-5	(5)	326343326	337739332	340979574	367185960	318715000	338192638	5
Decachlorobiphenyl		6906923760	6991953907	7181732520	7612820120	5681727800	6875031621	10
Tetrachloro-m-xylene		8281619260	8465620507	8425382600	8733430400	6417874600	8064785473	12
Aroclor-1254-1	(1)	525265407	536188556	564134008	621264868	479241140	545218796	10
Aroclor-1254-2	(2)	478176368	488478569	519631638	583021712	472883720	508438401	9
Aroclor-1254-3	(3)	746637997	760372989	800603668	890308500	712603920	782105415	9
Aroclor-1254-4	(4)	554979056	565283144	587994066	646517864	379494280	546853682	18
Aroclor-1254-5	(5)	718134746	733343003	760419284	795296128	714490520	744336736	5
Decachlorobiphenyl		7203849800	7364098027	7605167340	8057726000	6076737800	7261515793	10
Tetrachloro-m-xylene		8326407670	8484622733	8619663240	9079782920	6520976600	8206290633	12
Aroclor-1268-1	(1)	1758947774	1709816927	1785772362	1945135008	1654311040	1770796622	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1483041115	1450283463	1507897996	1638884712	1362761360	1488573729	7
Aroclor-1268-3	(3)	1211444046	1190914560	1240719650	1354691068	1116147840	1222783433	7
Aroclor-1268-4	(4)	446305248	439383757	459862146	499372456	429000100	454784741	6
Aroclor-1268-5	(5)	3222969842	3094367483	3187698556	3417074196	2682918220	3121005659	9
Decachlorobiphenyl		13813421760	13413455987	13885344600	15047923920	11999959200	13632021093	8
Tetrachloro-m-xylene		8650489570	8416864440	8733056840	9508670200	6744065200	8410629250	12

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance
Lab Code: ACE
Instrument ID: ECD_O

Contract: GENV01
SDG NO.: Q3277

Calibration Date(s): 09/15/2025 09/15/2025
Calibration Times: 09:34 19:21

GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:		CF 1000 =	PO113720.D	CF 750 =	PO113721.D			
CF 500 =		PO113722.D	CF 250 =	PO113723.D	CF 050 =	PO113724.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	161194959	167555515	172213236	197943584	212300180	182241495	12
Aroclor-1016-2	(2)	247660649	254215127	266109690	295452504	320788840	276845362	11
Aroclor-1016-3	(3)	132478875	137775607	144079418	158682380	173701980	149343652	11
Aroclor-1016-4	(4)	104213080	109199812	115770016	129547460	144816260	120709326	14
Aroclor-1016-5	(5)	131110272	137976827	144614834	165292304	171336360	150066119	12
Aroclor-1260-1	(1)	220737147	228186052	237294134	270069216	300160800	251289470	13
Aroclor-1260-2	(2)	290821079	295868247	313059866	353160924	400129960	330608015	14
Aroclor-1260-3	(3)	243248258	249887552	265854760	308918420	333877760	280357350	14
Aroclor-1260-4	(4)	166358067	173783024	182499490	209711196	223704380	191211231	13
Aroclor-1260-5	(5)	376721298	381888356	400424476	450051720	519309860	425679142	14
Decachlorobiphenyl		1971088000	1990798747	2046674720	2250657920	2179534400	2087750757	6
Tetrachloro-m-xylene		5023699930	5127536973	5213659900	5649531080	5690644400	5341014457	6
Aroclor-1242-1	(1)	140070279	141394544	137879020	161129568	101738300	136442342	16
Aroclor-1242-2	(2)	212507654	216303512	209728396	243981540	153746360	207253492	16
Aroclor-1242-3	(3)	114358137	116433633	116071012	134530132	98664540	116011491	11
Aroclor-1242-4	(4)	108951291	110656661	111486918	130110352	113781160	114997276	8
Aroclor-1242-5	(5)	137204941	140225116	141656710	164146076	126006440	141847857	10
Decachlorobiphenyl		2013236400	2036818507	2055399480	2187990440	1370225400	1932734045	17
Tetrachloro-m-xylene		5081963720	5070567053	4816444880	5487100000	3160127800	4723240691	19
Aroclor-1248-1	(1)	104656676	109107384	112539406	121726504	98599380	109325870	8
Aroclor-1248-2	(2)	146373463	152254041	158543364	175696640	155007980	157575098	7
Aroclor-1248-3	(3)	155110693	160619584	167536538	186260212	165045720	166914549	7
Aroclor-1248-4	(4)	182007971	188031200	194979064	215245372	191166620	194286045	7
Aroclor-1248-5	(5)	185591629	190752652	199422540	222580060	215555020	202780380	8
Decachlorobiphenyl		2031704490	2074468760	2119835620	2240995600	1660075400	2025415974	11
Tetrachloro-m-xylene		4917523020	5005006120	5026178760	5438510280	4106940200	4898831676	10
Aroclor-1254-1	(1)	279563251	289274152	304362018	339134132	299656300	302397971	7
Aroclor-1254-2	(2)	241241488	250685427	264723600	295034360	268710580	264079091	8
Aroclor-1254-3	(3)	370644030	380249351	395058822	433239944	357396100	387317649	8
Aroclor-1254-4	(4)	235623256	242545119	253069482	278102248	177620780	237392177	16
Aroclor-1254-5	(5)	290238808	298084172	311869266	340236600	294431680	306972105	7
Decachlorobiphenyl		2023494990	2074021307	2154035320	2293253640	1745979000	2058156851	10
Tetrachloro-m-xylene		4906596160	4990801373	5101889120	5432554640	4242824600	4934933179	9
Aroclor-1268-1	(1)	463812746	461069815	484852436	552413272	478530480	488135750	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	382551151	381395492	400241488	450975464	376701220	398372963	8
Aroclor-1268-3	(3)	309516041	307584487	322365468	361316928	330962760	326349137	7
Aroclor-1268-4	(4)	126169269	122567489	128850366	141798540	114523000	126781733	8
Aroclor-1268-5	(5)	880606144	856364473	894951184	981182000	782994000	879219560	8
Decachlorobiphenyl		3812230710	3735660987	3912512580	4347451840	3518286000	3865228423	8
Tetrachloro-m-xylene		5092073170	4970547720	5151696080	5694720080	4205757800	5022958970	11

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance **Contract:** GENV01
Lab Code: ACE **SDG NO.:** Q3277
Instrument ID: ECD_O **Date(s) Analyzed:** 09/15/2025 09/15/2025
GC Column: ZB-MR1 **ID:** 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.87	3.77	3.97	96855600
		2	3.96	3.86	4.06	71896200
		3	4.03	3.93	4.13	236858000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.03	3.93	4.13	175075000
		2	4.52	4.42	4.62	95953000
		3	4.76	4.66	4.86	197025000
		4	4.94	4.84	5.04	98735000
		5	4.98	4.88	5.08	65259600
Aroclor-1262	500	1	6.78	6.68	6.88	992416000
		2	7.29	7.19	7.39	1584210000
		3	7.57	7.47	7.67	559174000
		4	7.63	7.53	7.73	1000210000
		5	8.13	8.03	8.23	399122000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3277

Instrument ID: ECD_O Date(s) Analyzed: 09/15/2025 09/15/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.86	3.76	3.96	67679000
		2	3.94	3.84	4.04	50962200
		3	4.02	3.92	4.12	156597000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	118402000
		2	4.74	4.64	4.84	122831000
		3	4.91	4.81	5.01	66545800
		4	5.00	4.90	5.10	58641000
		5	5.17	5.07	5.27	61534600
Aroclor-1262	500	1	6.75	6.65	6.85	366152000
		2	7.25	7.15	7.35	456612000
		3	7.53	7.43	7.63	174199000
		4	7.59	7.49	7.69	278024000
		5	8.08	7.98	8.18	113685000

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Continuing Calib Date: 10/06/2025

Initial Calibration Date(s): 09/15/2025 09/15/2025

Continuing Calib Time: 09:49

Initial Calibration Time(s): 09:34 19:21

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-2	(2)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-3	(3)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-4	(4)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-5	(5)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.41	6.42	6.32	6.52	0.01
Aroclor-1260-3	(3)	6.78	6.78	6.68	6.88	0.00
Aroclor-1260-4	(4)	7.03	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.28	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.66	8.67	8.57	8.77	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Continuing Calib Date: 10/06/2025

Initial Calibration Date(s): 09/15/2025 09/15/2025

Continuing Calib Time: 09:49

Initial Calibration Time(s): 09:34 19:21

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.72	4.62	4.82	0.00
Aroclor-1016-2	(2)	4.73	4.74	4.64	4.84	0.01
Aroclor-1016-3	(3)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.16	5.17	5.07	5.27	0.01
Aroclor-1260-1	(1)	6.19	6.20	6.10	6.30	0.01
Aroclor-1260-2	(2)	6.38	6.38	6.28	6.48	0.00
Aroclor-1260-3	(3)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-4	(4)	6.99	7.00	6.90	7.10	0.01
Aroclor-1260-5	(5)	7.24	7.25	7.15	7.35	0.01
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.60	8.61	8.51	8.71	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** GENV01
Lab Code: ACE **SDG NO.:** Q3277
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/15/2025 09/15/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/06/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114249.D **Time Analyzed:** 09:49

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.737	4.643	4.843	589.600	500.000	17.9
Aroclor-1016-2	4.756	4.661	4.861	602.320	500.000	20.5
Aroclor-1016-3	4.813	4.718	4.918	593.270	500.000	18.7
Aroclor-1016-4	4.932	4.837	5.037	577.950	500.000	15.6
Aroclor-1016-5	5.188	5.093	5.293	611.650	500.000	22.3
Aroclor-1260-1	6.222	6.129	6.329	580.830	500.000	16.2
Aroclor-1260-2	6.412	6.319	6.519	569.840	500.000	14.0
Aroclor-1260-3	6.776	6.683	6.883	549.700	500.000	9.9
Aroclor-1260-4	7.034	6.941	7.141	644.310	500.000	28.9
Aroclor-1260-5	7.278	7.185	7.385	661.270	500.000	32.3
Decachlorobiphenyl	8.660	8.570	8.770	45.840	50.000	-8.3
Tetrachloro-m-xylene	3.657	3.560	3.760	51.480	50.000	3.0

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** GENV01
Lab Code: ACE **SDG NO.:** Q3277
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/15/2025 09/15/2025

Client Sample No.: CCAL01 **Date Analyzed:** 10/06/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114249.D **Time Analyzed:** 09:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.715	4.623	4.823	552.550	500.000	10.5
Aroclor-1016-2	4.733	4.641	4.841	560.670	500.000	12.1
Aroclor-1016-3	4.908	4.816	5.016	555.290	500.000	11.1
Aroclor-1016-4	4.950	4.858	5.058	561.850	500.000	12.4
Aroclor-1016-5	5.162	5.070	5.270	571.080	500.000	14.2
Aroclor-1260-1	6.187	6.096	6.296	532.050	500.000	6.4
Aroclor-1260-2	6.375	6.284	6.484	496.720	500.000	-0.7
Aroclor-1260-3	6.526	6.435	6.635	487.810	500.000	-2.4
Aroclor-1260-4	6.994	6.903	7.103	484.920	500.000	-3.0
Aroclor-1260-5	7.236	7.146	7.346	480.440	500.000	-3.9
Decachlorobiphenyl	8.603	8.514	8.714	45.990	50.000	-8.0
Tetrachloro-m-xylene	3.645	3.551	3.751	47.970	50.000	-4.1

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Continuing Calib Date: 10/06/2025

Initial Calibration Date(s): 09/15/2025 09/15/2025

Continuing Calib Time: 15:55

Initial Calibration Time(s): 09:34 19:21

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-2	(2)	4.76	4.76	4.66	4.86	0.00
Aroclor-1016-3	(3)	4.81	4.82	4.72	4.92	0.01
Aroclor-1016-4	(4)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-5	(5)	5.19	5.19	5.09	5.29	0.00
Aroclor-1260-1	(1)	6.22	6.23	6.13	6.33	0.01
Aroclor-1260-2	(2)	6.41	6.42	6.32	6.52	0.01
Aroclor-1260-3	(3)	6.78	6.78	6.68	6.88	0.00
Aroclor-1260-4	(4)	7.04	7.04	6.94	7.14	0.01
Aroclor-1260-5	(5)	7.28	7.29	7.19	7.39	0.01
Tetrachloro-m-xylene		3.66	3.66	3.56	3.76	0.00
Decachlorobiphenyl		8.66	8.67	8.57	8.77	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Continuing Calib Date: 10/06/2025

Initial Calibration Date(s): 09/15/2025 09/15/2025

Continuing Calib Time: 15:55

Initial Calibration Time(s): 09:34 19:21

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.72	4.62	4.82	0.00
Aroclor-1016-2	(2)	4.74	4.74	4.64	4.84	0.00
Aroclor-1016-3	(3)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-4	(4)	4.95	4.96	4.86	5.06	0.01
Aroclor-1016-5	(5)	5.16	5.17	5.07	5.27	0.01
Aroclor-1260-1	(1)	6.19	6.20	6.10	6.30	0.01
Aroclor-1260-2	(2)	6.38	6.38	6.28	6.48	0.00
Aroclor-1260-3	(3)	6.53	6.54	6.44	6.64	0.01
Aroclor-1260-4	(4)	7.00	7.00	6.90	7.10	0.00
Aroclor-1260-5	(5)	7.24	7.25	7.15	7.35	0.01
Tetrachloro-m-xylene		3.65	3.65	3.55	3.75	0.00
Decachlorobiphenyl		8.61	8.61	8.51	8.71	0.01

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** GENV01
Lab Code: ACE **SDG NO.:** Q3277
GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/15/2025 09/15/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/06/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114264.D **Time Analyzed:** 15:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.738	4.643	4.843	582.670	500.000	16.5
Aroclor-1016-2	4.756	4.661	4.861	595.070	500.000	19.0
Aroclor-1016-3	4.813	4.718	4.918	569.650	500.000	13.9
Aroclor-1016-4	4.932	4.837	5.037	559.330	500.000	11.9
Aroclor-1016-5	5.187	5.093	5.293	586.500	500.000	17.3
Aroclor-1260-1	6.222	6.129	6.329	550.580	500.000	10.1
Aroclor-1260-2	6.412	6.319	6.519	535.800	500.000	7.2
Aroclor-1260-3	6.777	6.683	6.883	472.020	500.000	-5.6
Aroclor-1260-4	7.035	6.941	7.141	505.610	500.000	1.1
Aroclor-1260-5	7.279	7.185	7.385	509.360	500.000	1.9
Decachlorobiphenyl	8.661	8.570	8.770	37.070	50.000	-25.9
Tetrachloro-m-xylene	3.657	3.560	3.760	50.160	50.000	0.3

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** GENV01
Lab Code: ACE **SDG NO.:** Q3277
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 09/15/2025 09/15/2025

Client Sample No.: CCAL02 **Date Analyzed:** 10/06/2025
Lab Sample No.: AR1660CCC500 **Data File :** PO114264.D **Time Analyzed:** 15:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.716	4.623	4.823	529.080	500.000	5.8
Aroclor-1016-2	4.735	4.641	4.841	554.850	500.000	11.0
Aroclor-1016-3	4.909	4.816	5.016	558.280	500.000	11.7
Aroclor-1016-4	4.952	4.858	5.058	560.240	500.000	12.0
Aroclor-1016-5	5.163	5.070	5.270	581.980	500.000	16.4
Aroclor-1260-1	6.189	6.096	6.296	488.920	500.000	-2.2
Aroclor-1260-2	6.377	6.284	6.484	458.970	500.000	-8.2
Aroclor-1260-3	6.528	6.435	6.635	445.750	500.000	-10.9
Aroclor-1260-4	6.996	6.903	7.103	443.550	500.000	-11.3
Aroclor-1260-5	7.239	7.146	7.346	436.000	500.000	-12.8
Decachlorobiphenyl	8.605	8.514	8.714	40.720	50.000	-18.6
Tetrachloro-m-xylene	3.647	3.551	3.751	49.050	50.000	-1.9

Analytical Sequence

Client: G Environmental

SDG No.: Q3277

Project: Newport

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/15/2025 09/15/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	09/15/2025	09:16	PO113719.D	8.67	3.66
AR1660ICC1000	AR1660ICC1000	09/15/2025	09:34	PO113720.D	8.67	3.66
AR1660ICC750	AR1660ICC750	09/15/2025	09:53	PO113721.D	8.67	3.66
AR1660ICC500	AR1660ICC500	09/15/2025	10:11	PO113722.D	8.67	3.66
AR1660ICC250	AR1660ICC250	09/15/2025	10:30	PO113723.D	8.67	3.66
AR1660ICC050	AR1660ICC050	09/15/2025	10:48	PO113724.D	8.67	3.66
AR1221ICC500	AR1221ICC500	09/15/2025	11:06	PO113725.D	8.67	3.66
AR1232ICC500	AR1232ICC500	09/15/2025	11:25	PO113726.D	8.67	3.66
AR1242ICC1000	AR1242ICC1000	09/15/2025	11:43	PO113727.D	8.67	3.66
AR1242ICC750	AR1242ICC750	09/15/2025	12:02	PO113728.D	8.67	3.66
AR1242ICC500	AR1242ICC500	09/15/2025	12:20	PO113729.D	8.67	3.66
AR1242ICC250	AR1242ICC250	09/15/2025	12:38	PO113730.D	8.67	3.66
AR1242ICC050	AR1242ICC050	09/15/2025	13:34	PO113731.D	8.67	3.66
AR1248ICC1000	AR1248ICC1000	09/15/2025	13:54	PO113732.D	8.67	3.66
AR1248ICC750	AR1248ICC750	09/15/2025	14:13	PO113733.D	8.67	3.66
AR1248ICC500	AR1248ICC500	09/15/2025	14:31	PO113734.D	8.67	3.66
AR1248ICC250	AR1248ICC250	09/15/2025	14:49	PO113735.D	8.67	3.66
AR1248ICC050	AR1248ICC050	09/15/2025	15:26	PO113736.D	8.67	3.66
AR1254ICC1000	AR1254ICC1000	09/15/2025	15:45	PO113737.D	8.67	3.66
AR1254ICC750	AR1254ICC750	09/15/2025	16:02	PO113738.D	8.67	3.66
AR1254ICC500	AR1254ICC500	09/15/2025	16:20	PO113739.D	8.67	3.66
AR1254ICC250	AR1254ICC250	09/15/2025	16:38	PO113740.D	8.67	3.66
AR1254ICC050	AR1254ICC050	09/15/2025	17:14	PO113741.D	8.67	3.66
AR1262ICC500	AR1262ICC500	09/15/2025	17:33	PO113742.D	8.67	3.66
AR1268ICC1000	AR1268ICC1000	09/15/2025	17:51	PO113743.D	8.67	3.66
AR1268ICC750	AR1268ICC750	09/15/2025	18:10	PO113744.D	8.67	3.66
AR1268ICC500	AR1268ICC500	09/15/2025	18:27	PO113745.D	8.67	3.66
AR1268ICC250	AR1268ICC250	09/15/2025	18:45	PO113746.D	8.67	3.66
AR1268ICC050	AR1268ICC050	09/15/2025	19:21	PO113747.D	8.67	3.66
AR1660CCC500	AR1660CCC500	10/06/2025	09:49	PO114249.D	8.66	3.66
IBLK	IBLK	10/06/2025	11:02	PO114253.D	8.66	3.66
PB169987BL	PB169987BL	10/06/2025	12:10	PO114254.D	8.67	3.66
PB169987BS	PB169987BS	10/06/2025	12:28	PO114255.D	8.66	3.66
WC1	Q3277-01	10/06/2025	13:05	PO114257.D	8.66	3.66
TR-01-100325MS	Q3288-01MS	10/06/2025	13:41	PO114259.D	8.66	3.66
TR-01-100325MSD	Q3288-01MSD	10/06/2025	13:59	PO114260.D	8.66	3.66
AR1660CCC500	AR1660CCC500	10/06/2025	15:55	PO114264.D	8.66	3.66
IBLK	IBLK	10/06/2025	17:08	PO114268.D	8.66	3.65

Analytical Sequence

Client: G Environmental

SDG No.: Q3277

Project: Newport

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/15/2025 09/15/2025

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES,
AND STANDARDS IS GIVEN BELOW:

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	09/15/2025	09:16	PO113719.D	8.62	3.65
AR1660ICC1000	AR1660ICC1000	09/15/2025	09:34	PO113720.D	8.61	3.65
AR1660ICC750	AR1660ICC750	09/15/2025	09:53	PO113721.D	8.62	3.65
AR1660ICC500	AR1660ICC500	09/15/2025	10:11	PO113722.D	8.61	3.65
AR1660ICC250	AR1660ICC250	09/15/2025	10:30	PO113723.D	8.62	3.65
AR1660ICC050	AR1660ICC050	09/15/2025	10:48	PO113724.D	8.62	3.65
AR1221ICC500	AR1221ICC500	09/15/2025	11:06	PO113725.D	8.61	3.65
AR1232ICC500	AR1232ICC500	09/15/2025	11:25	PO113726.D	8.62	3.65
AR1242ICC1000	AR1242ICC1000	09/15/2025	11:43	PO113727.D	8.62	3.65
AR1242ICC750	AR1242ICC750	09/15/2025	12:02	PO113728.D	8.62	3.65
AR1242ICC500	AR1242ICC500	09/15/2025	12:20	PO113729.D	8.62	3.65
AR1242ICC250	AR1242ICC250	09/15/2025	12:38	PO113730.D	8.62	3.65
AR1242ICC050	AR1242ICC050	09/15/2025	13:34	PO113731.D	8.62	3.65
AR1248ICC1000	AR1248ICC1000	09/15/2025	13:54	PO113732.D	8.62	3.65
AR1248ICC750	AR1248ICC750	09/15/2025	14:13	PO113733.D	8.62	3.65
AR1248ICC500	AR1248ICC500	09/15/2025	14:31	PO113734.D	8.61	3.65
AR1248ICC250	AR1248ICC250	09/15/2025	14:49	PO113735.D	8.62	3.65
AR1248ICC050	AR1248ICC050	09/15/2025	15:26	PO113736.D	8.62	3.65
AR1254ICC1000	AR1254ICC1000	09/15/2025	15:45	PO113737.D	8.62	3.65
AR1254ICC750	AR1254ICC750	09/15/2025	16:02	PO113738.D	8.61	3.65
AR1254ICC500	AR1254ICC500	09/15/2025	16:20	PO113739.D	8.62	3.65
AR1254ICC250	AR1254ICC250	09/15/2025	16:38	PO113740.D	8.61	3.65
AR1254ICC050	AR1254ICC050	09/15/2025	17:14	PO113741.D	8.62	3.65
AR1262ICC500	AR1262ICC500	09/15/2025	17:33	PO113742.D	8.62	3.65
AR1268ICC1000	AR1268ICC1000	09/15/2025	17:51	PO113743.D	8.62	3.65
AR1268ICC750	AR1268ICC750	09/15/2025	18:10	PO113744.D	8.61	3.65
AR1268ICC500	AR1268ICC500	09/15/2025	18:27	PO113745.D	8.61	3.65
AR1268ICC250	AR1268ICC250	09/15/2025	18:45	PO113746.D	8.62	3.65
AR1268ICC050	AR1268ICC050	09/15/2025	19:21	PO113747.D	8.61	3.65
AR1660CCC500	AR1660CCC500	10/06/2025	09:49	PO114249.D	8.60	3.65
IBLK	IBLK	10/06/2025	11:02	PO114253.D	8.60	3.65
PB169987BL	PB169987BL	10/06/2025	12:10	PO114254.D	8.61	3.64
PB169987BS	PB169987BS	10/06/2025	12:28	PO114255.D	8.60	3.64
WC1	Q3277-01	10/06/2025	13:05	PO114257.D	8.60	3.65
TR-01-100325MS	Q3288-01MS	10/06/2025	13:41	PO114259.D	8.60	3.65
TR-01-100325MSD	Q3288-01MSD	10/06/2025	13:59	PO114260.D	8.60	3.65
AR1660CCC500	AR1660CCC500	10/06/2025	15:55	PO114264.D	8.61	3.65
IBLK	IBLK	10/06/2025	17:08	PO114268.D	8.60	3.65

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB169987BS

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab Sample ID: PB169987BS

Date(s) Analyzed: 10/06/2025 10/06/2025

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PO114255.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.737	4.687	4.787	181	180	7.49
COLUMN 1	2	4.755	4.705	4.805	186		
	3	4.812	4.762	4.862	178		
	4	4.931	4.881	4.981	173		
	5	5.187	5.137	5.237	182		
COLUMN 2	1	4.713	4.663	4.763	171	167	
	2	4.731	4.681	4.781	169		
	3	4.907	4.857	4.957	165		
	4	4.949	4.899	4.999	164		
	5	5.16	5.11	5.21	167		
Aroclor-1260	1	6.221	6.171	6.271	203	182	19.94
COLUMN 1	2	6.411	6.361	6.461	190		
	3	6.776	6.726	6.826	160		
	4	7.034	6.984	7.084	176		
	5	7.278	7.228	7.328	180		
COLUMN 2	1	6.186	6.136	6.236	166	149	
	2	6.374	6.324	6.424	155		
	3	6.524	6.474	6.574	155		
	4	6.992	6.942	7.042	135		
	5	7.235	7.185	7.285	134		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TR-01-100325MS

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab Sample ID: Q3288-01MS

Date(s) Analyzed: 10/06/2025 10/06/2025

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PO114259.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.736	4.686	4.786	138	143	11.22
COLUMN 1	2	4.754	4.704	4.804	146		
	3	4.812	4.762	4.862	142		
	4	4.93	4.88	4.98	136		
	5	5.187	5.137	5.237	155		
	1	4.715	4.665	4.765	153		
COLUMN 2	2	4.733	4.683	4.783	165	160	
	3	4.908	4.858	4.958	160		
	4	4.951	4.901	5.001	161		
	5	5.162	5.112	5.212	162		
Aroclor-1260	1	6.221	6.171	6.271	140	137	2.88
COLUMN 1	2	6.411	6.361	6.461	140		
	3	6.775	6.725	6.825	121		
	4	7.033	6.983	7.083	136		
	5	7.276	7.226	7.326	147		
	1	6.187	6.137	6.237	159		
COLUMN 2	2	6.375	6.325	6.425	145	141	
	3	6.525	6.475	6.575	142		
	4	6.994	6.944	7.044	127		
	5	7.237	7.187	7.287	130		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TR-01-100325MSD

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Lab Sample ID: Q3288-01MSD

Date(s) Analyzed: 10/06/2025 10/06/2025

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PO114260.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.738	4.688	4.788	147	150	5.19
COLUMN 1	2	4.755	4.705	4.805	151		
	3	4.812	4.762	4.862	151		
	4	4.931	4.881	4.981	142		
	5	5.188	5.138	5.238	158		
	1	4.716	4.666	4.766	161		
COLUMN 2	2	4.734	4.684	4.784	159	158	
	3	4.909	4.859	4.959	158		
	4	4.952	4.902	5.002	157		
	5	5.162	5.112	5.212	156		
Aroclor-1260	1	6.222	6.172	6.272	138	130	3.77
COLUMN 1	2	6.411	6.361	6.461	134		
	3	6.776	6.726	6.826	114		
	4	7.034	6.984	7.084	125		
	5	7.278	7.228	7.328	137		
	1	6.187	6.137	6.237	155	135	
COLUMN 2	2	6.376	6.326	6.426	140		
	3	6.526	6.476	6.576	133		
	4	6.995	6.945	7.045	120		
	5	7.237	7.187	7.287	124		



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
Data File : PO114257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Oct 2025 13:05
Operator : YP/AJ
Sample : Q3277-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WC1

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 06 13:30:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO091525.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 16 02:49:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.655	3.645	215.6E6	122.6E6	24.450	22.947
2) SA Decachlor...	8.659	8.603	151.5E6	47898100	22.648	22.942

Target Compounds

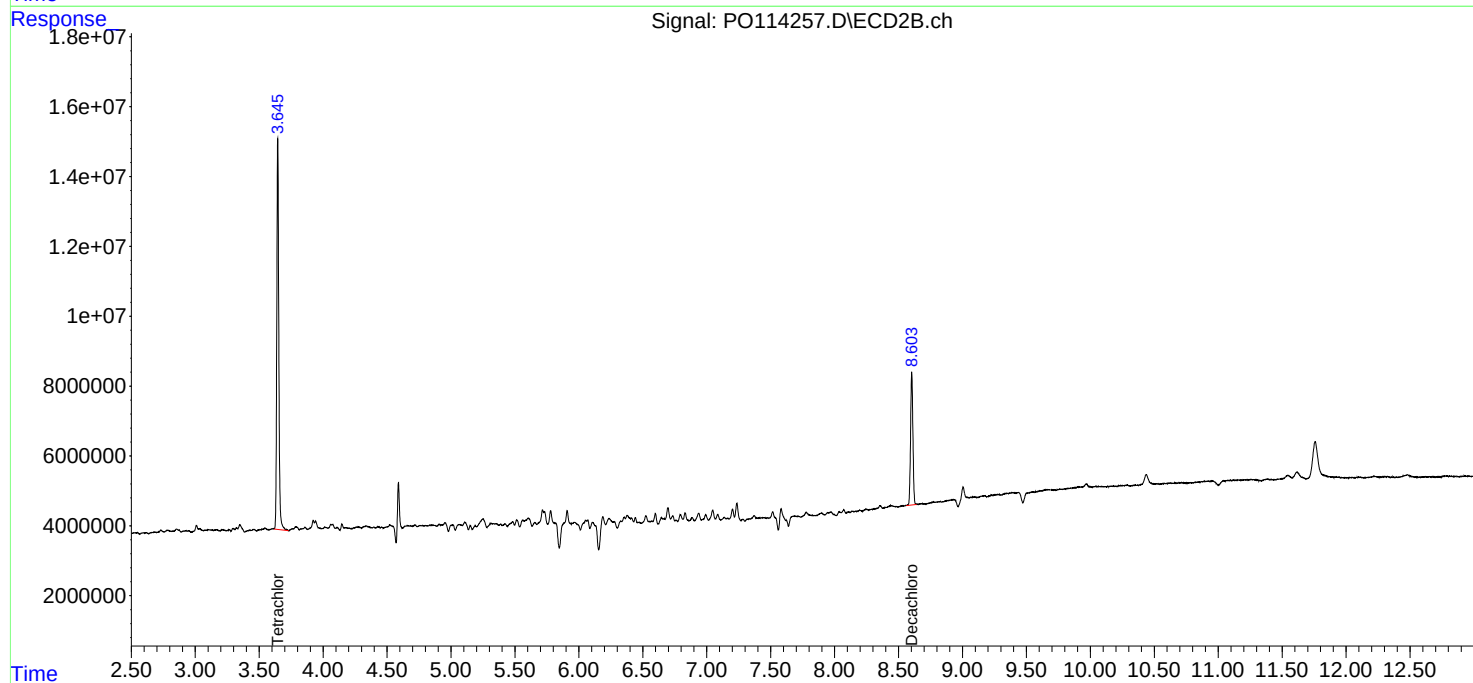
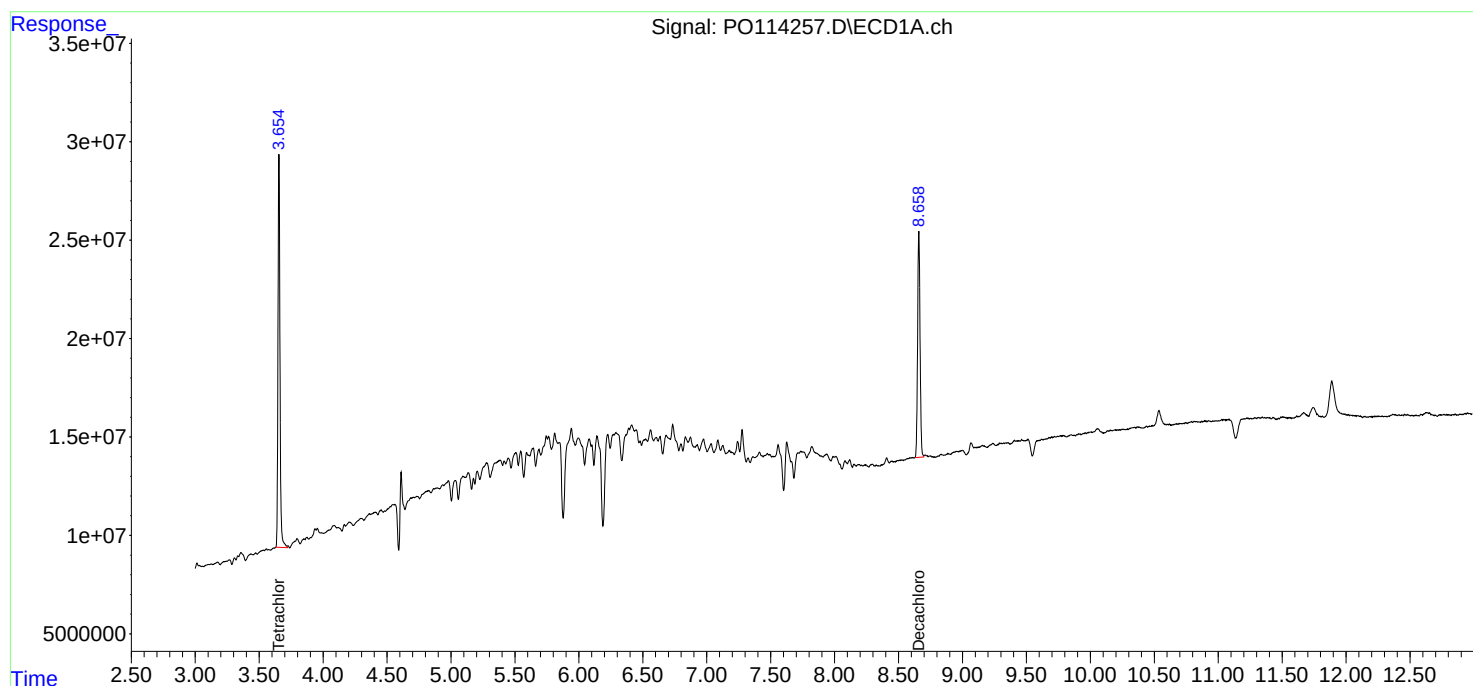
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

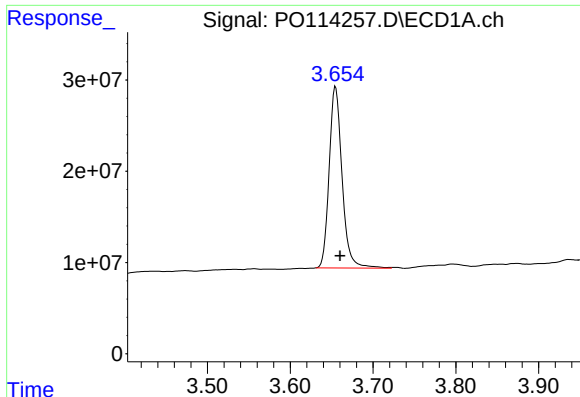
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
Data File : PO114257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Oct 2025 13:05
Operator : YP/AJ
Sample : Q3277-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
WC1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 06 13:30:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO091525.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 16 02:49:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

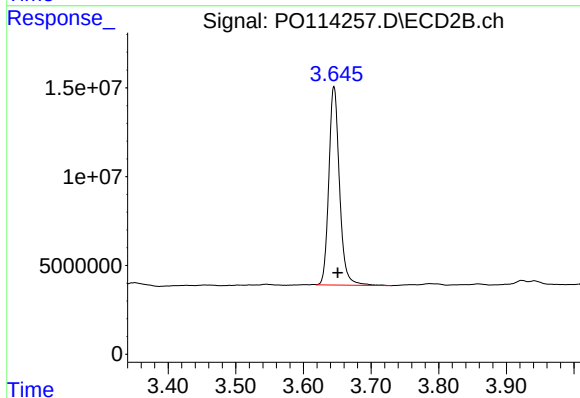




#1 Tetrachloro-m-xylene

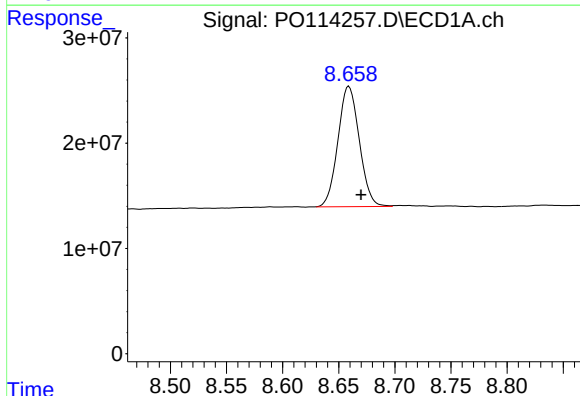
R.T.: 3.655 min
Delta R.T.: -0.005 min
Response: 215643509
Conc: 24.45 ng/ml

Instrument :
ECD_O
ClientSampleId :
WC1



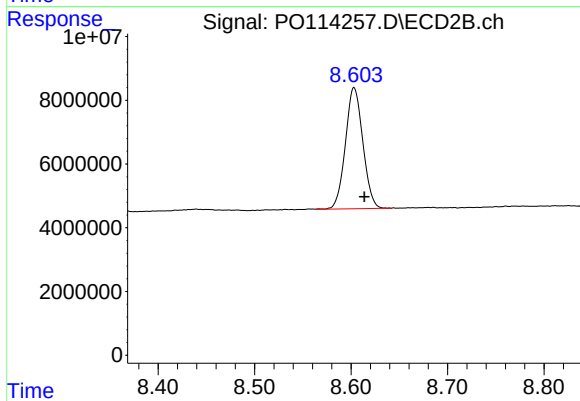
#1 Tetrachloro-m-xylene

R.T.: 3.645 min
Delta R.T.: -0.006 min
Response: 122559183
Conc: 22.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.659 min
Delta R.T.: -0.011 min
Response: 151523380
Conc: 22.65 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.603 min
Delta R.T.: -0.011 min
Response: 47898100
Conc: 22.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
 Data File : PO114254.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Oct 2025 12:10
 Operator : YP/AJ
 Sample : PB169987BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB169987BL

A
B
C
D
E
F
G
H
I
J
K
L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 06 13:04:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO091525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 16 02:49:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.660	3.644	180.4E6	103.6E6	20.459	19.398
2) SA Decachlor...	8.669	8.605	135.8E6	40938195	20.303	19.609

Target Compounds

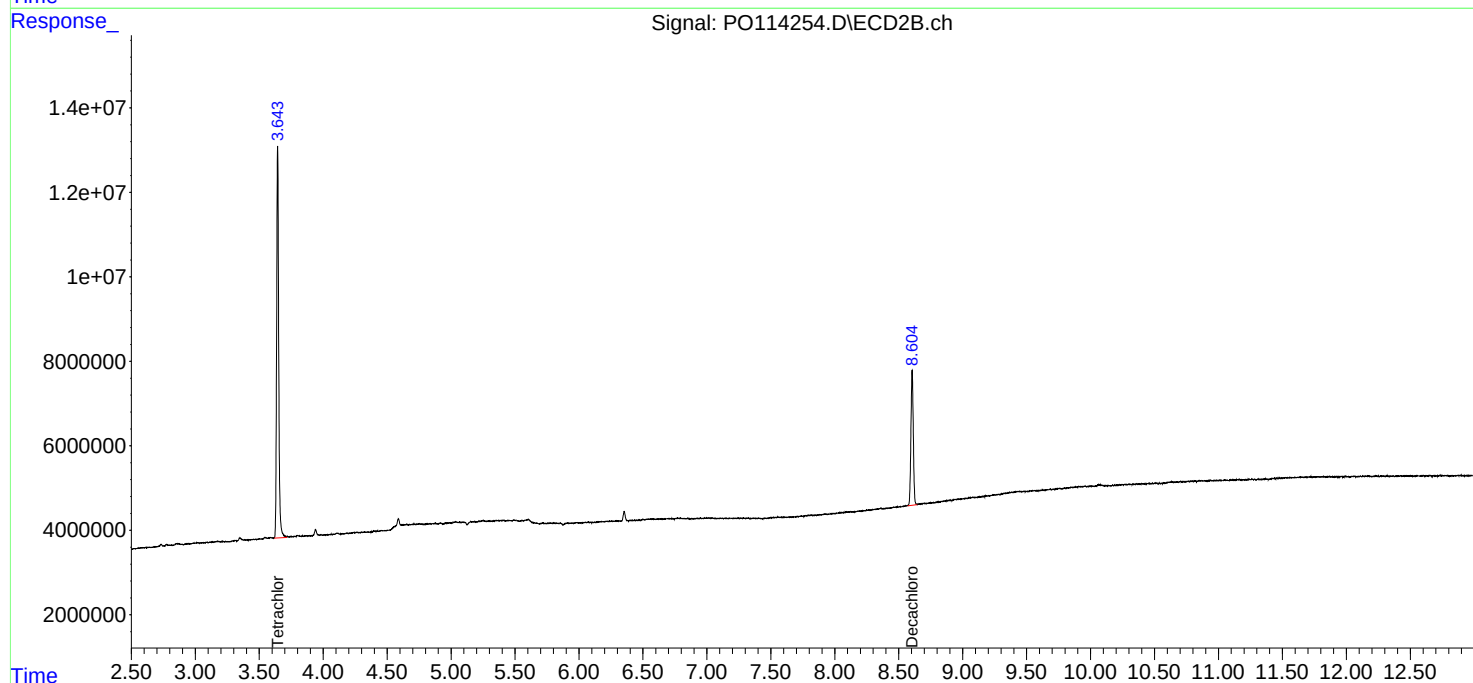
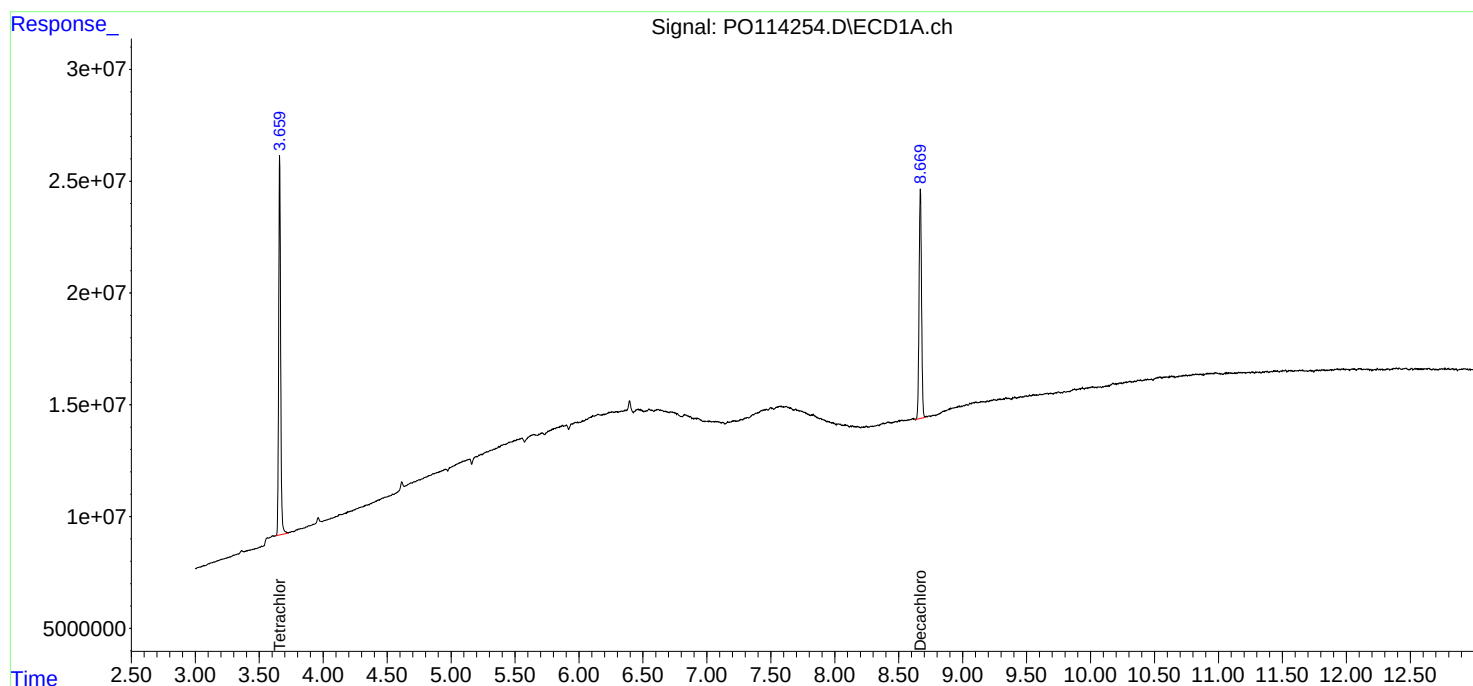
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

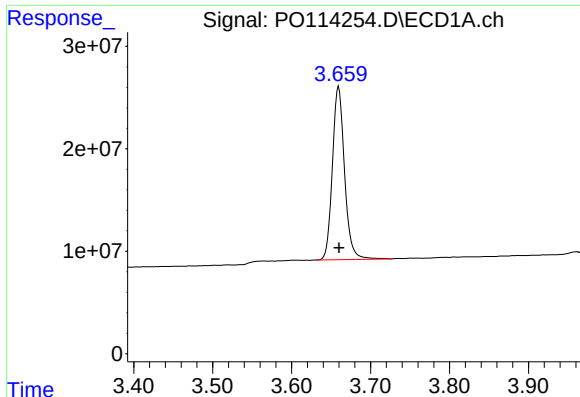
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
Data File : PO114254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Oct 2025 12:10
Operator : YP/AJ
Sample : PB169987BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB169987BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 06 13:04:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO091525.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 16 02:49:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

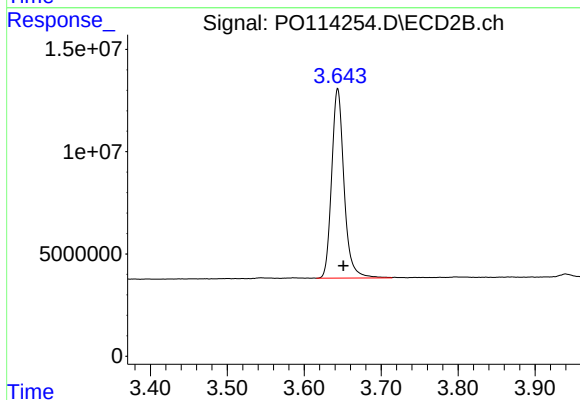




#1 Tetrachloro-m-xylene

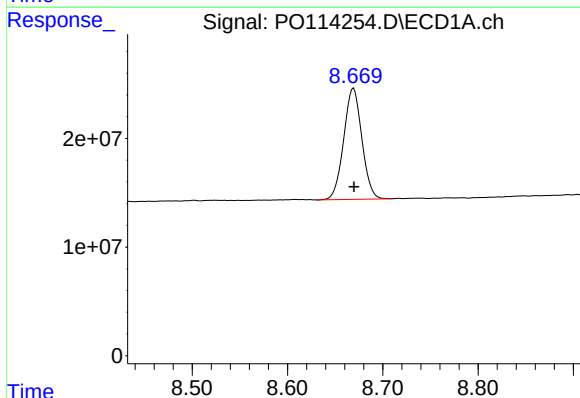
R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 180443519
Conc: 20.46 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB169987BL



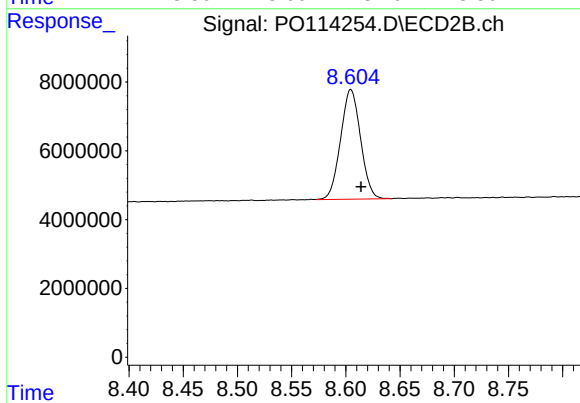
#1 Tetrachloro-m-xylene

R.T.: 3.644 min
Delta R.T.: -0.007 min
Response: 103605417
Conc: 19.40 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.669 min
Delta R.T.: 0.000 min
Response: 135833327
Conc: 20.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.605 min
Delta R.T.: -0.009 min
Response: 40938195
Conc: 19.61 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
 Data File : PO114255.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Oct 2025 12:28
 Operator : YP/AJ
 Sample : PB169987BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB169987BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 06 13:05:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0091525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 16 02:49:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.655	3.644	173.7E6	98652255	19.696	18.471
2) SA Decachlor...	8.660	8.602	134.8E6	41571821	20.144	19.912
Target Compounds						
3) L1 AR-1016-1	4.737	4.713	165.1E6	93726775	543.809	514.300m
4) L1 AR-1016-2	4.755	4.731	254.3E6	140.5E6	558.743	507.367m
5) L1 AR-1016-3	4.812	4.907	159.9E6	74103468	534.297	496.194
6) L1 AR-1016-4	4.931	4.949	125.2E6	59400382	520.983	492.094
7) L1 AR-1016-5	5.187	5.160	131.5E6	75075732	547.788	500.284
31) L7 AR-1260-1	6.221	6.186	298.2E6	125.6E6	608.233	499.938
32) L7 AR-1260-2	6.411	6.374	438.1E6	154.3E6	572.002	466.822
33) L7 AR-1260-3	6.776	6.524	322.8E6	130.3E6	479.798	464.664
34) L7 AR-1260-4	7.034	6.992	228.7E6	77643553	528.423	406.062
35) L7 AR-1260-5	7.278	7.235	611.4E6	171.3E6	539.683	402.348 #

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
Data File : PO114255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Oct 2025 12:28
Operator : YP/AJ
Sample : PB169987BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

PB169987BS

Manual Integrations

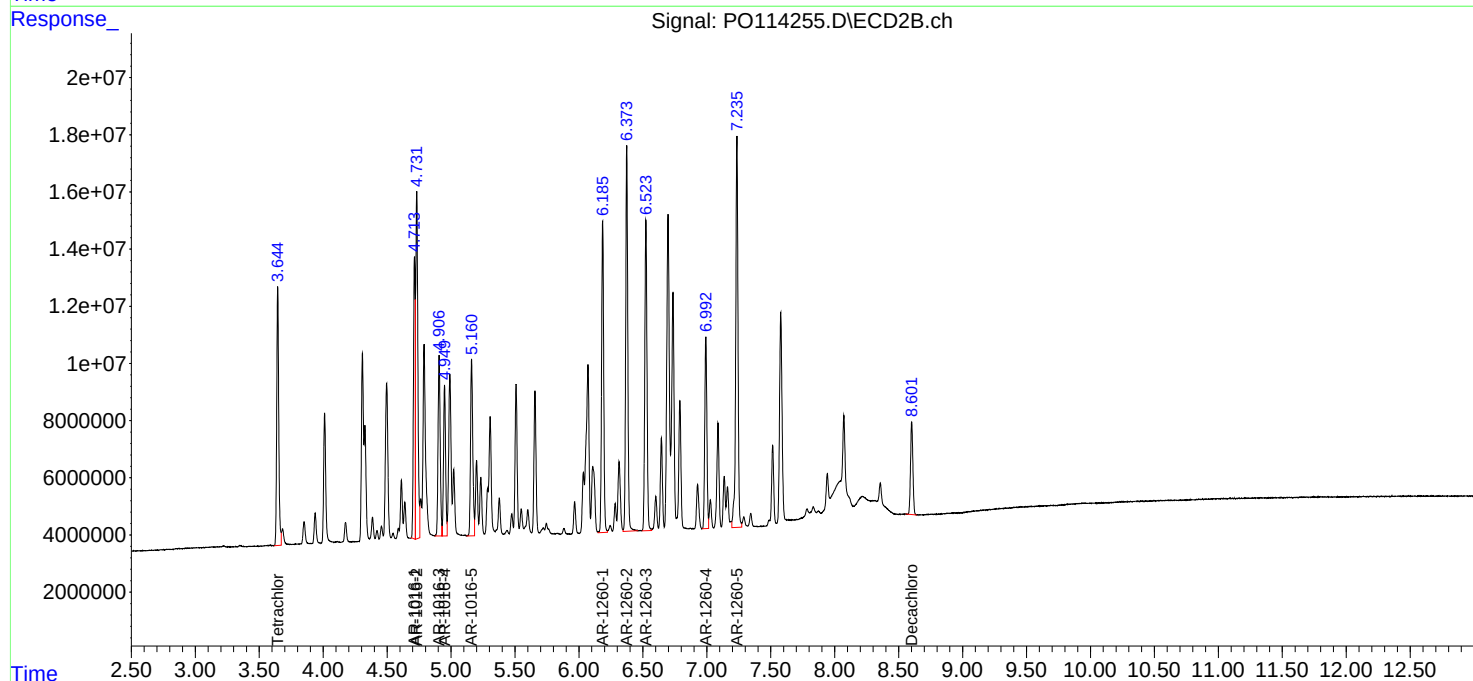
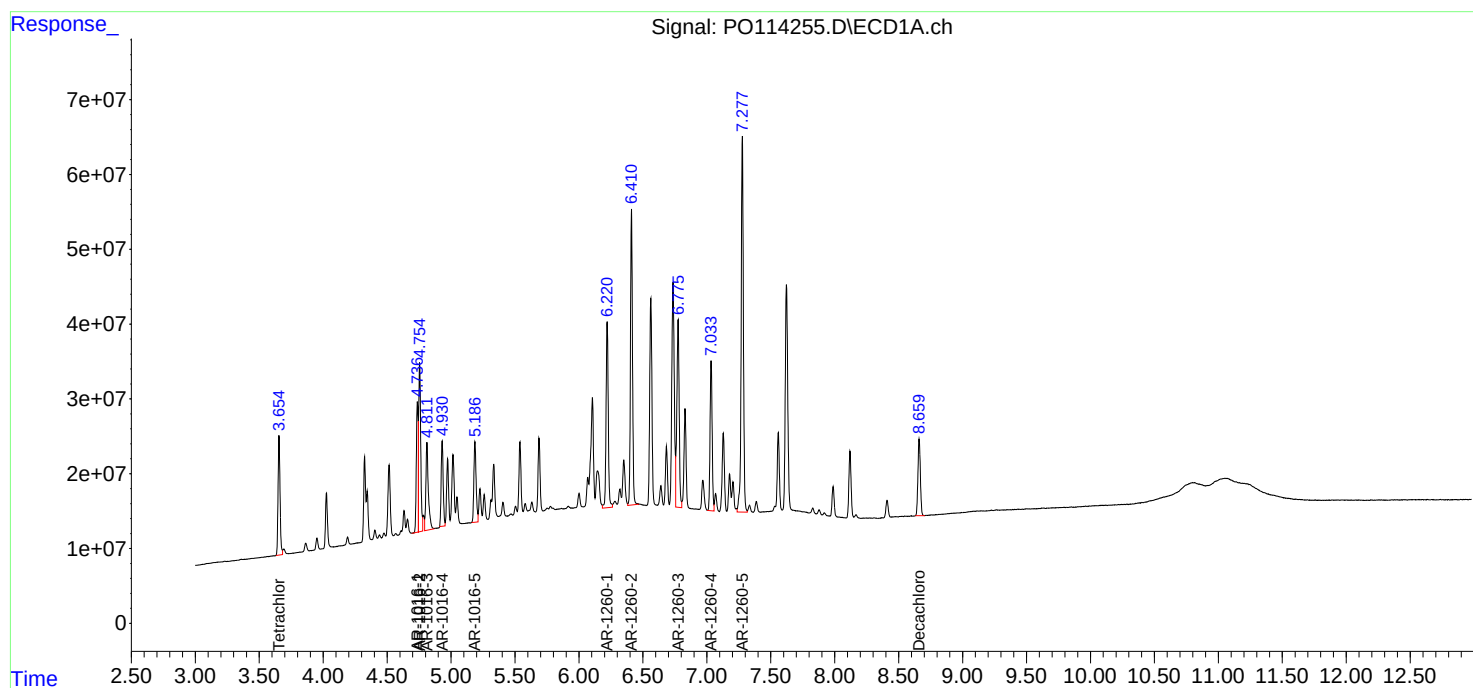
APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 06 13:05:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO091525.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 16 02:49:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
 Data File : PO114259.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Oct 2025 13:41
 Operator : YP/AJ
 Sample : Q3288-01MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TR-01-100325MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/06/2025
 Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 06 15:04:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO091525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 16 02:49:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.656	3.646	113.9E6	72472222	12.919	13.569
2) SA Decachlor...	8.660	8.604	92194845	30375967	13.780	14.550
Target Compounds						
3) L1 AR-1016-1	4.736	4.715	116.6E6	77690323	384.081	426.304m
4) L1 AR-1016-2	4.754	4.733	185.2E6	127.2E6	406.875	459.376m
5) L1 AR-1016-3	4.812	4.908	118.2E6	66659798	395.137	446.352
6) L1 AR-1016-4	4.930	4.951	91479661	54362746	380.565	450.361
7) L1 AR-1016-5	5.187	5.162	103.8E6	67799459	432.521	451.797
31) L7 AR-1260-1	6.221	6.187	191.4E6	111.3E6	390.440	442.985
32) L7 AR-1260-2	6.411	6.375	299.6E6	133.8E6	391.254	404.808
33) L7 AR-1260-3	6.775	6.525	227.4E6	111.3E6	337.952	397.038
34) L7 AR-1260-4	7.033	6.994	163.6E6	67728253	378.059	354.206
35) L7 AR-1260-5	7.276	7.237	464.8E6	154.5E6	410.317	362.883

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
Data File : PO114259.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Oct 2025 13:41
Operator : YP/AJ
Sample : Q3288-01MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

TR-01-100325MS

Manual Integrations

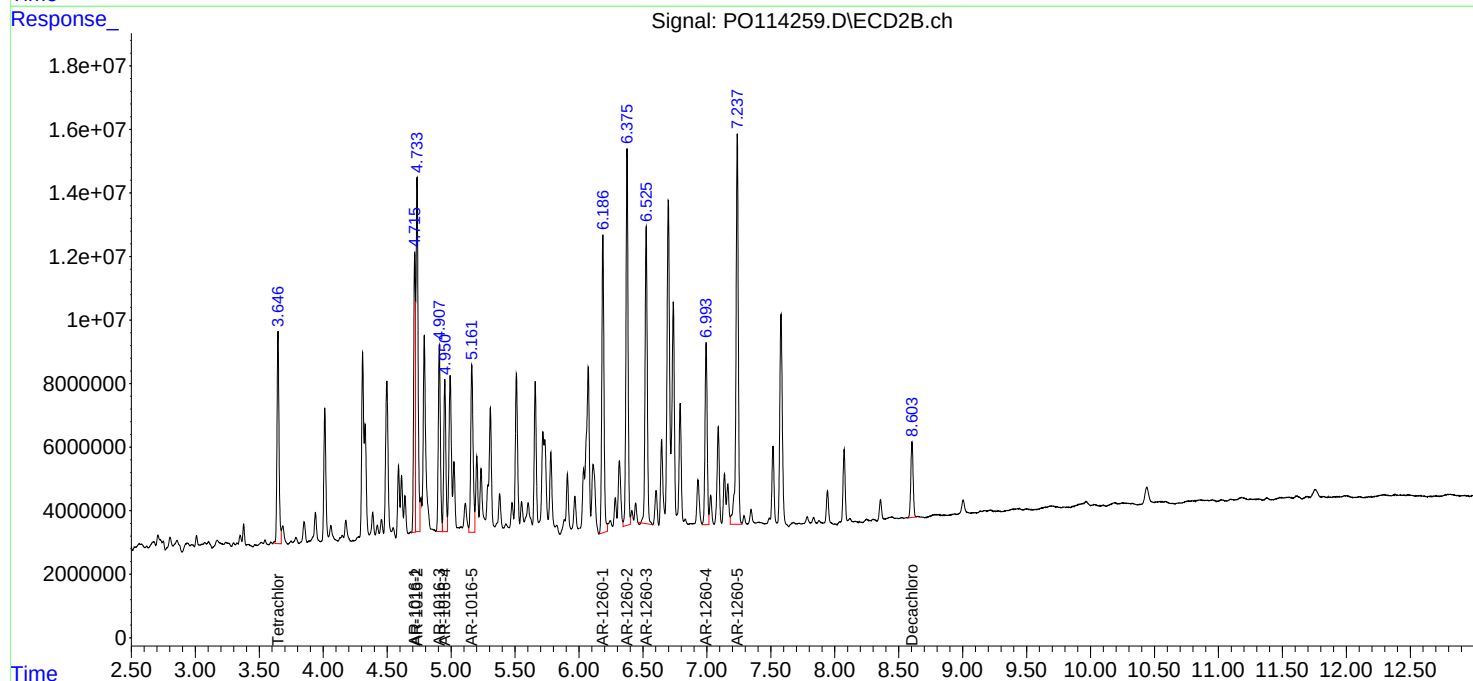
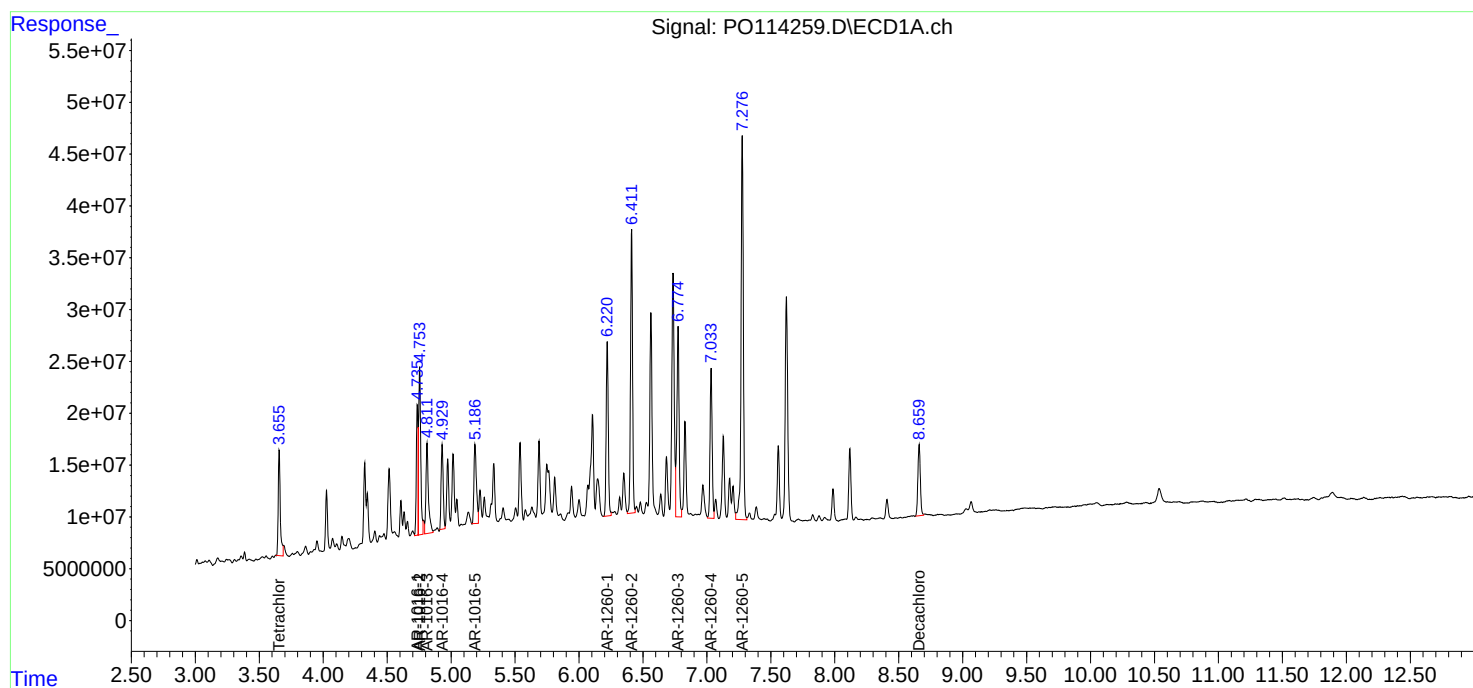
APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 06 15:04:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO091525.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 16 02:49:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
 Data File : PO114260.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Oct 2025 13:59
 Operator : YP/AJ
 Sample : Q3288-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TR-01-100325MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/06/2025
 Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 06 15:05:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO091525.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Sep 16 02:49:23 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.656	3.647	117.5E6	75032203	13.322	14.048
2) SA Decachlor...	8.660	8.604	85135376	29322549	12.725	14.045
Target Compounds						
3) L1 AR-1016-1	4.738	4.716	124.9E6	82031247	411.435	450.124m
4) L1 AR-1016-2	4.755	4.734	192.2E6	122.8E6	422.386	443.614m
5) L1 AR-1016-3	4.812	4.909	126.0E6	65916980	421.245	441.378
6) L1 AR-1016-4	4.931	4.952	95083999	52828723	395.560	437.652
7) L1 AR-1016-5	5.188	5.162	105.8E6	65592580	440.446	437.091
31) L7 AR-1260-1	6.222	6.187	189.3E6	109.2E6	386.150	434.392
32) L7 AR-1260-2	6.411	6.376	286.5E6	129.6E6	374.057	391.991
33) L7 AR-1260-3	6.776	6.526	213.9E6	104.3E6	317.858	372.075
34) L7 AR-1260-4	7.034	6.995	151.1E6	64144928	349.122	335.466
35) L7 AR-1260-5	7.278	7.237	433.6E6	147.8E6	382.763	347.121

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO100625\
Data File : PO114260.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Oct 2025 13:59
Operator : YP/AJ
Sample : Q3288-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

TR-01-100325MSD

Manual Integrations

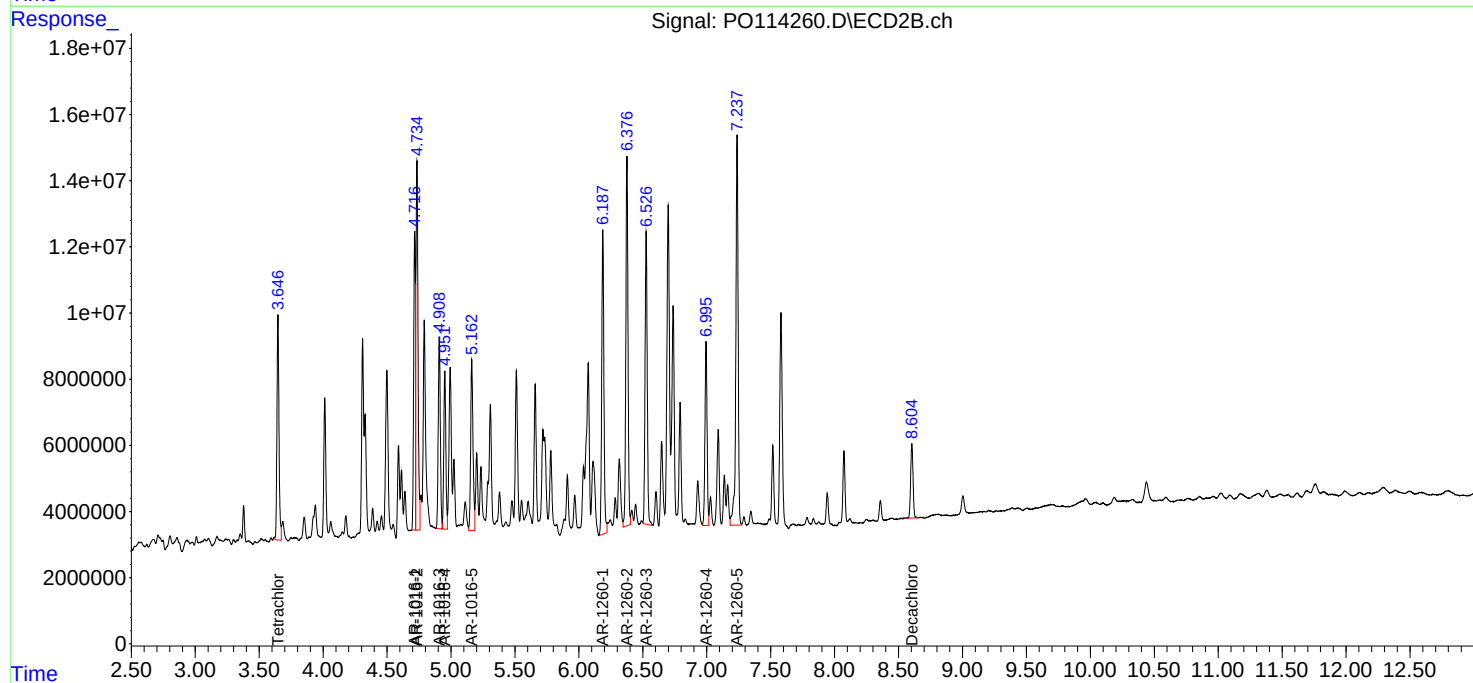
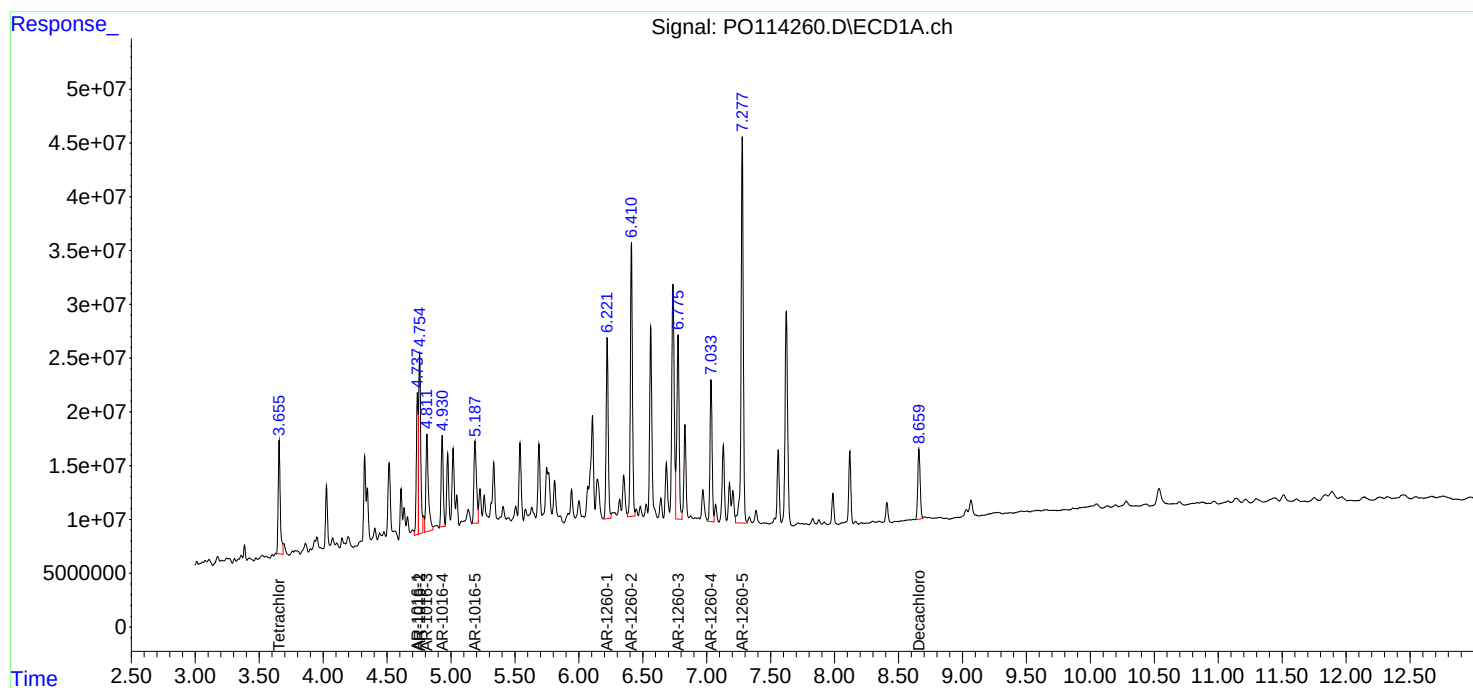
APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 06 15:05:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO091525.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Sep 16 02:49:23 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:	po091525	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC250	PO113723.D	AR-1016-3 #2	yogesh	9/16/2025 8:17:06 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC250	PO113723.D	AR-1016-4	yogesh	9/16/2025 8:17:06 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC250	PO113723.D	AR-1016-4 #2	yogesh	9/16/2025 8:17:06 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC250	PO113723.D	AR-1016-5	yogesh	9/16/2025 8:17:06 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC250	PO113723.D	AR-1016-5 #2	yogesh	9/16/2025 8:17:06 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC050	PO113724.D	AR-1016-3 #2	yogesh	9/16/2025 8:17:08 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC050	PO113724.D	AR-1016-4	yogesh	9/16/2025 8:17:08 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC050	PO113724.D	AR-1016-4 #2	yogesh	9/16/2025 8:17:08 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC050	PO113724.D	AR-1016-5	yogesh	9/16/2025 8:17:08 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC050	PO113724.D	AR-1016-5 #2	yogesh	9/16/2025 8:17:08 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1660ICC050	PO113724.D	AR-1260-4 #2	yogesh	9/16/2025 8:17:08 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1242ICC050	PO113731.D	AR-1242-1	yogesh	9/16/2025 8:17:09 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1242ICC050	PO113731.D	AR-1242-2	yogesh	9/16/2025 8:17:09 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software

Manual Integration Report

Sequence:	po091525	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PO113731.D	AR-1242-3 #2	yogesh	9/16/2025 8:17:09 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1242ICC050	PO113731.D	AR-1242-4 #2	yogesh	9/16/2025 8:17:09 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1242ICC050	PO113731.D	AR-1242-5 #2	yogesh	9/16/2025 8:17:09 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1242ICC050	PO113731.D	Tetrachloro-m-xylene	yogesh	9/16/2025 8:17:09 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1242ICC050	PO113731.D	Tetrachloro-m-xylene #2	yogesh	9/16/2025 8:17:09 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1248ICC250	PO113735.D	Tetrachloro-m-xylene	yogesh	9/16/2025 8:17:11 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1254ICC050	PO113741.D	AR-1254-1	yogesh	9/16/2025 8:17:15 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1254ICC050	PO113741.D	AR-1254-2	yogesh	9/16/2025 8:17:15 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1254ICC050	PO113741.D	AR-1254-3	yogesh	9/16/2025 8:17:15 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1254ICC050	PO113741.D	AR-1254-4	yogesh	9/16/2025 8:17:15 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1268ICC050	PO113747.D	AR-1268-1 #2	yogesh	9/16/2025 8:17:16 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1268ICC050	PO113747.D	AR-1268-2 #2	yogesh	9/16/2025 8:17:16 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1268ICC050	PO113747.D	AR-1268-3	yogesh	9/16/2025 8:17:16 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software

Manual Integration Report

Sequence:	po091525	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC050	PO113747.D	AR-1268-3 #2	yogesh	9/16/2025 8:17:16 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1268ICC050	PO113747.D	Tetrachloro-m-xylene	yogesh	9/16/2025 8:17:16 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
AR1268ICC050	PO113747.D	Tetrachloro-m-xylene #2	yogesh	9/16/2025 8:17:16 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software
PO091525ICV500	PO113748.D	AR-1260-5	yogesh	9/16/2025 8:45:08 AM	mohammad	9/17/2025 2:07:54	Peak Integrated by Software

Manual Integration Report

Sequence:	PO100625	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PO114249.D	AR-1016-1	yogesh	10/6/2025 1:33:43 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1660CCC500	PO114249.D	AR-1016-1 #2	yogesh	10/6/2025 1:33:43 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1660CCC500	PO114249.D	AR-1016-2	yogesh	10/6/2025 1:33:43 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1660CCC500	PO114249.D	AR-1016-2 #2	yogesh	10/6/2025 1:33:43 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1660CCC500	PO114249.D	AR-1260-1	yogesh	10/6/2025 1:33:43 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1660CCC500	PO114249.D	AR-1260-4	yogesh	10/6/2025 1:33:43 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1660CCC500	PO114249.D	AR-1260-5	yogesh	10/6/2025 1:33:43 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1242CCC500	PO114250.D	AR-1242-1 #2	yogesh	10/6/2025 1:33:45 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1242CCC500	PO114250.D	AR-1242-2 #2	yogesh	10/6/2025 1:33:45 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1242CCC500	PO114250.D	AR-1242-4	yogesh	10/6/2025 1:33:45 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1248CCC500	PO114251.D	AR-1248-1 #2	yogesh	10/6/2025 1:33:47 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
PB169987BS	PO114255.D	AR-1016-2 #2	yogesh	10/6/2025 1:33:49 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
Q3288-01MS	PO114259.D	AR-1016-1 #2	yogesh	10/6/2025 3:59:34 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software

Manual Integration Report

Sequence:	PO100625	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3288-01MS	PO114259.D	AR-1016-2 #2	yogesh	10/6/2025 3:59:34 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
Q3288-01MSD	PO114260.D	AR-1016-1 #2	yogesh	10/6/2025 3:59:35 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
Q3288-01MSD	PO114260.D	AR-1016-2 #2	yogesh	10/6/2025 3:59:35 PM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1660CCC500	PO114264.D	AR-1016-1 #2	yogesh	10/7/2025 10:33:40 AM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1660CCC500	PO114264.D	AR-1016-5	yogesh	10/7/2025 10:33:40 AM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1248CCC500	PO114266.D	AR-1248-4	yogesh	10/7/2025 10:33:42 AM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software
AR1248CCC500	PO114266.D	AR-1248-5	yogesh	10/7/2025 10:33:42 AM	mohammad	10/8/2025 3:34:35	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO091525

Review By	yogesh	Review On	9/15/2025 12:11:18 PM
Supervise By	mohammad	Supervise On	9/17/2025 2:07:54 AM
SubDirectory	PO091525	HP Acquire Method	HP Processing Method PO091525
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC			
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO113718.D	15 Sep 2025 08:58	YP/AJ	Ok
2	I.BLK	PO113719.D	15 Sep 2025 09:16	YP/AJ	Ok
3	AR1660ICC1000	PO113720.D	15 Sep 2025 09:34	YP/AJ	Ok
4	AR1660ICC750	PO113721.D	15 Sep 2025 09:53	YP/AJ	Ok
5	AR1660ICC500	PO113722.D	15 Sep 2025 10:11	YP/AJ	Ok
6	AR1660ICC250	PO113723.D	15 Sep 2025 10:30	YP/AJ	Ok,M
7	AR1660ICC050	PO113724.D	15 Sep 2025 10:48	YP/AJ	Ok,M
8	AR1221ICC500	PO113725.D	15 Sep 2025 11:06	YP/AJ	Ok
9	AR1232ICC500	PO113726.D	15 Sep 2025 11:25	YP/AJ	Ok
10	AR1242ICC1000	PO113727.D	15 Sep 2025 11:43	YP/AJ	Ok
11	AR1242ICC750	PO113728.D	15 Sep 2025 12:02	YP/AJ	Ok
12	AR1242ICC500	PO113729.D	15 Sep 2025 12:20	YP/AJ	Ok
13	AR1242ICC250	PO113730.D	15 Sep 2025 12:38	YP/AJ	Ok
14	AR1242ICC050	PO113731.D	15 Sep 2025 13:34	YP/AJ	Ok,M
15	AR1248ICC1000	PO113732.D	15 Sep 2025 13:54	YP/AJ	Ok
16	AR1248ICC750	PO113733.D	15 Sep 2025 14:13	YP/AJ	Ok
17	AR1248ICC500	PO113734.D	15 Sep 2025 14:31	YP/AJ	Ok
18	AR1248ICC250	PO113735.D	15 Sep 2025 14:49	YP/AJ	Ok,M
19	AR1248ICC050	PO113736.D	15 Sep 2025 15:26	YP/AJ	Ok
20	AR1254ICC1000	PO113737.D	15 Sep 2025 15:45	YP/AJ	Ok
21	AR1254ICC750	PO113738.D	15 Sep 2025 16:02	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO091525

Review By	yogesh	Review On	9/15/2025 12:11:18 PM
Supervise By	mohammad	Supervise On	9/17/2025 2:07:54 AM
SubDirectory	PO091525	HP Acquire Method	HP Processing Method PO091525
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC			
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PO113739.D	15 Sep 2025 16:20	YP/AJ	Ok
23	AR1254ICC250	PO113740.D	15 Sep 2025 16:38	YP/AJ	Ok
24	AR1254ICC050	PO113741.D	15 Sep 2025 17:14	YP/AJ	Ok,M
25	AR1262ICC500	PO113742.D	15 Sep 2025 17:33	YP/AJ	Ok
26	AR1268ICC1000	PO113743.D	15 Sep 2025 17:51	YP/AJ	Ok
27	AR1268ICC750	PO113744.D	15 Sep 2025 18:10	YP/AJ	Ok
28	AR1268ICC500	PO113745.D	15 Sep 2025 18:27	YP/AJ	Ok
29	AR1268ICC250	PO113746.D	15 Sep 2025 18:45	YP/AJ	Ok
30	AR1268ICC050	PO113747.D	15 Sep 2025 19:21	YP/AJ	Ok,M
31	PO091525ICV500	PO113748.D	15 Sep 2025 19:40	YP/AJ	Ok,M
32	AR1242ICV500	PO113749.D	15 Sep 2025 20:16	YP/AJ	Ok
33	AR1248ICV500	PO113750.D	15 Sep 2025 21:11	YP/AJ	Ok
34	AR1254ICV500	PO113751.D	15 Sep 2025 22:05	YP/AJ	Ok
35	AR1268ICV500	PO113752.D	15 Sep 2025 23:00	YP/AJ	Ok
36	DDT ANALOG	PO113753.D	15 Sep 2025 23:37	YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO100625

Review By	yogesh	Review On	10/6/2025 12:37:59 PM
Supervise By	mohammad	Supervise On	10/8/2025 3:34:35 AM
SubDirectory	PO100625	HP Acquire Method	HP Processing Method PO091925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854		
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852		
Internal Standard/PEM			
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO114248.D	06 Oct 2025 09:10	YP/AJ	Ok
2	AR1660CCC500	PO114249.D	06 Oct 2025 09:49	YP/AJ	Ok,M
3	AR1242CCC500	PO114250.D	06 Oct 2025 10:07	YP/AJ	Not Ok
4	AR1248CCC500	PO114251.D	06 Oct 2025 10:25	YP/AJ	Ok,M
5	AR1254CCC500	PO114252.D	06 Oct 2025 10:44	YP/AJ	Ok
6	I.BLK	PO114253.D	06 Oct 2025 11:02	YP/AJ	Ok
7	PB169987BL	PO114254.D	06 Oct 2025 12:10	YP/AJ	Ok
8	PB169987BS	PO114255.D	06 Oct 2025 12:28	YP/AJ	Ok,M
9	Q3249-11	PO114256.D	06 Oct 2025 12:46	YP/AJ	Ok
10	Q3277-01	PO114257.D	06 Oct 2025 13:05	YP/AJ	Ok
11	Q3288-01	PO114258.D	06 Oct 2025 13:22	YP/AJ	Ok
12	Q3288-01MS	PO114259.D	06 Oct 2025 13:41	YP/AJ	Ok,M
13	Q3288-01MSD	PO114260.D	06 Oct 2025 13:59	YP/AJ	Ok,M
14	Q3289-01	PO114261.D	06 Oct 2025 14:17	YP/AJ	Ok
15	Q3289-03	PO114262.D	06 Oct 2025 14:36	YP/AJ	Ok,M
16	Q3289-05	PO114263.D	06 Oct 2025 14:54	YP/AJ	Ok
17	AR1660CCC500	PO114264.D	06 Oct 2025 15:55	YP/AJ	Ok,M
18	AR1242CCC500	PO114265.D	06 Oct 2025 16:14	YP/AJ	Ok
19	AR1248CCC500	PO114266.D	06 Oct 2025 16:32	YP/AJ	Ok,M
20	AR1254CCC500	PO114267.D	06 Oct 2025 16:51	YP/AJ	Ok
21	I.BLK	PO114268.D	06 Oct 2025 17:08	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO091525

Review By	yogesh	Review On	9/15/2025 12:11:18 PM
Supervise By	mohammad	Supervise On	9/17/2025 2:07:54 AM
SubDirectory	PO091525	HP Acquire Method	HP Processing Method PO091525

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO113718.D	15 Sep 2025 08:58		YP/AJ	Ok
2	I.BLK	I.BLK	PO113719.D	15 Sep 2025 09:16		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO113720.D	15 Sep 2025 09:34		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO113721.D	15 Sep 2025 09:53		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO113722.D	15 Sep 2025 10:11		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO113723.D	15 Sep 2025 10:30		YP/AJ	Ok,M
7	AR1660ICC050	AR1660ICC050	PO113724.D	15 Sep 2025 10:48		YP/AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PO113725.D	15 Sep 2025 11:06		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO113726.D	15 Sep 2025 11:25		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO113727.D	15 Sep 2025 11:43		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO113728.D	15 Sep 2025 12:02		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO113729.D	15 Sep 2025 12:20		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO113730.D	15 Sep 2025 12:38		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO113731.D	15 Sep 2025 13:34		YP/AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PO113732.D	15 Sep 2025 13:54		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO113733.D	15 Sep 2025 14:13		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO113734.D	15 Sep 2025 14:31		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO113735.D	15 Sep 2025 14:49		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO091525

Review By	yogesh	Review On	9/15/2025 12:11:18 PM
Supervise By	mohammad	Supervise On	9/17/2025 2:07:54 AM
SubDirectory	PO091525	HP Acquire Method	HP Processing Method PO091525
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		

19	AR1248ICC050	AR1248ICC050	PO113736.D	15 Sep 2025 15:26		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO113737.D	15 Sep 2025 15:45		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO113738.D	15 Sep 2025 16:02		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO113739.D	15 Sep 2025 16:20		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO113740.D	15 Sep 2025 16:38		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO113741.D	15 Sep 2025 17:14		YP/AJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PO113742.D	15 Sep 2025 17:33		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO113743.D	15 Sep 2025 17:51		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO113744.D	15 Sep 2025 18:10		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO113745.D	15 Sep 2025 18:27		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO113746.D	15 Sep 2025 18:45		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO113747.D	15 Sep 2025 19:21		YP/AJ	Ok,M
31	PO091525ICV500	ICVPO091525	PO113748.D	15 Sep 2025 19:40		YP/AJ	Ok,M
32	AR1242ICV500	ICVPO091525AR1242	PO113749.D	15 Sep 2025 20:16		YP/AJ	Ok
33	AR1248ICV500	ICVPO091525AR1248	PO113750.D	15 Sep 2025 21:11		YP/AJ	Ok
34	AR1254ICV500	ICVPO091525AR1254	PO113751.D	15 Sep 2025 22:05		YP/AJ	Ok
35	AR1268ICV500	ICVPO091525AR1268	PO113752.D	15 Sep 2025 23:00		YP/AJ	Ok
36	DDT ANALOG	DDT ANALOG	PO113753.D	15 Sep 2025 23:37		YP/AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO100625

Review By	yogesh	Review On	10/6/2025 12:37:59 PM
Supervise By	mohammad	Supervise On	10/8/2025 3:34:35 AM
SubDirectory	PO100625	HP Acquire Method	HP Processing Method PO091925

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,PP24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854
CCC	PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852
Internal Standard/PEM	
ICV/I.BLK	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO114248.D	06 Oct 2025 09:10		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO114249.D	06 Oct 2025 09:49	AR1260 marginally failing high in 1st column	YP/AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PO114250.D	06 Oct 2025 10:07	CCC FAIL 1st column	YP/AJ	Not Ok
4	AR1248CCC500	AR1248CCC500	PO114251.D	06 Oct 2025 10:25		YP/AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PO114252.D	06 Oct 2025 10:44		YP/AJ	Ok
6	I.BLK	I.BLK	PO114253.D	06 Oct 2025 11:02		YP/AJ	Ok
7	PB169987BL	PB169987BL	PO114254.D	06 Oct 2025 12:10		YP/AJ	Ok
8	PB169987BS	PB169987BS	PO114255.D	06 Oct 2025 12:28		YP/AJ	Ok,M
9	Q3249-11	S-9(4-4.5)	PO114256.D	06 Oct 2025 12:46		YP/AJ	Ok
10	Q3277-01	WC1	PO114257.D	06 Oct 2025 13:05		YP/AJ	Ok
11	Q3288-01	TR-01-100325	PO114258.D	06 Oct 2025 13:22		YP/AJ	Ok
12	Q3288-01MS	TR-01-100325MS	PO114259.D	06 Oct 2025 13:41		YP/AJ	Ok,M
13	Q3288-01MSD	TR-01-100325MSD	PO114260.D	06 Oct 2025 13:59		YP/AJ	Ok,M
14	Q3289-01	VNJ-240	PO114261.D	06 Oct 2025 14:17		YP/AJ	Ok
15	Q3289-03	VNJ-261	PO114262.D	06 Oct 2025 14:36		YP/AJ	Ok,M
16	Q3289-05	72-11966	PO114263.D	06 Oct 2025 14:54		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO114264.D	06 Oct 2025 15:55		YP/AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PO114265.D	06 Oct 2025 16:14		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO100625

Review By	yogesh	Review On	10/6/2025 12:37:59 PM
Supervise By	mohammad	Supervise On	10/8/2025 3:34:35 AM
SubDirectory	PO100625	HP Acquire Method	HP Processing Method PO091925
STD. NAME	STD REF.#		
Tune/Reschk	PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24823,PP24824,PP24825,PP24826,PP24827,PP24828,PP24829,P P24830,PP24831,PP24832,PP24833,PP24834,PP24835,PP24836,PP24837,PP24838,PP24839,PP24840,PP24841,PP24842,PP24843,PP24844,PP 24845,PP24846,PP24847,PP24848,PP24849,PP24850,PP24851,PP24852,PP24853,PP24854 PP24824,PP24828,PP24832,PP24836,PP24840,PP24844,PP24852 PP24815,PP24816,PP24817,PP24818,PP24819,PP24820,PP24821,PP24822,PP24855,PP24856,PP24857,PP24858,PP24859,PP24860,PP24861,PP24862		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			
19	AR1248CCC500	AR1248CCC500	PO114266.D 06 Oct 2025 16:32 YP/AJ Ok,M
20	AR1254CCC500	AR1254CCC500	PO114267.D 06 Oct 2025 16:51 YP/AJ Ok
21	I.BLK	I.BLK	PO114268.D 06 Oct 2025 17:08 YP/AJ Ok

M : Manual Integration

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SOP ID:	M3541-ASE Extraction-15		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	10/06/2025
Matrix :	Solid	Extraction Start Time :	08:43
Welgh By:	EH	Extraction By:	RJ
Balance check:	EH	Extraction End Date :	10/06/2025
Balance ID:	EX-SC-2	Filter By:	RJ
pH Strip Lot#:	N/A	Extraction End Time :	12:00
		Concentration By:	EH
		Supervisor By :	ritesh
Extraction Method:	☐ Seperatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24930
Surrogate	1.0ML	200 PPB	PP24663
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2643
Baked Na2SO4	N/A	EP2646
Hexane	N/A	E3974
H2SO4 1:1	N/A	EP2610
Sand	N/A	E3951
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.Q3287-01 used Limited Volume as Sample is Oil.

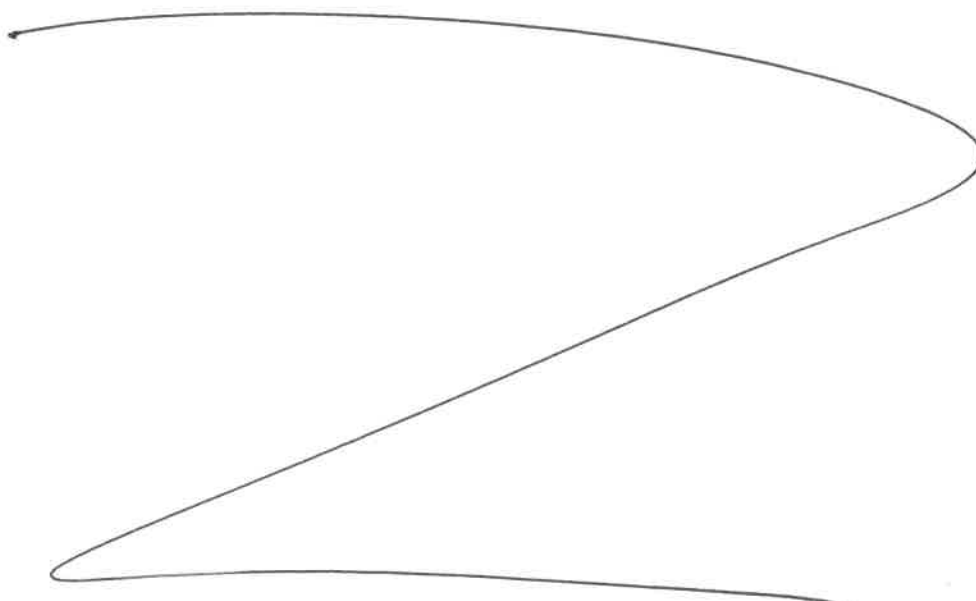
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/06/25	RJ LEL-106)	R. Pesh (KBL)
12:05	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/06/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169987BL	ABLK987	PCB	30.01	N/A	ritesh	Evelyn	10			U2-1
PB169987BS	ALCS987	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q3249-11	S-9(4-4.5)	PCB	30.06	N/A	ritesh	Evelyn	10			3
Q3277-01	WC1	PCB	30.09	N/A	ritesh	Evelyn	10	B		4
Q3287-01	TSS-25-0001-0002	PCB	1.02	N/A	ritesh	Evelyn	10	B	Oil	
Q3288-01	TR-01-100325	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
Q3288-01MS	TR-01-100325MS	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q3288-01MS D	TR-01-100325MSD	PCB	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q3289-01	VNJ-240	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
Q3289-03	VNJ-261	PCB	30.07	N/A	ritesh	Evelyn	10	E		3
Q3289-05	72-11966	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q3290-01	CL-02-100325	PCB	30.06	N/A	ritesh	Evelyn	10	D		5



RJ
10/06

16467
8-14-3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3287

WorkList ID : 192288

Department : Extraction

Date : 10-06-2025 08:38:01

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3249-11	S-9(4-4.5)	Solid	PCB	Cool 4 deg C	PSEG03	D31	09/29/2025	8082A
Q3277-01	WC1	Solid	PCB	Cool 4 deg C	GENV01	D31	09/30/2025	8082A
Q3287-01	TSS-25-0001-0002	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/03/2025	8082A
Q3288-01	TR-01-100325	Solid	PCB	Cool 4 deg C	PSEG05	D31	10/03/2025	8082A
Q3289-01	VNJ-240	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/03/2025	8082A
Q3289-03	VNJ-261	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/03/2025	8082A
Q3289-05	72-11966	Solid	PCB	Cool 4 deg C	PSEG03	D31	10/03/2025	8082A
Q3290-01	CL-02-100325	Solid	PCB	Cool 4 deg C	PSEG05	D31	10/03/2025	8082A

Date/Time 10/06/25 8:38
Raw Sample Received by: RS ~~CL-02-100325~~
Raw Sample Relinquished by: ~~CL-02-100325~~

Date/Time 10/06/25 8:55
Raw Sample Received by: ~~CL-02-100325~~
Raw Sample Relinquished by: RS ~~CL-02-100325~~

LAB CHRONICLE

OrderID:	Q3277	OrderDate:	10/2/2025 3:50:00 PM
Client:	G Environmental	Project:	Newport
Contact:	Gary Landis	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3277-01	WC1	SOIL			09/30/25			10/02/25
			PCB	8082A		10/06/25	10/06/25	
			EPH_NF	NJEPH		10/03/25	10/04/25	



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/04/25 2:26	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS							
Aliphatic C28-C40	Aliphatic C28-C40	15.2		1	1.21	2.04	mg/kg FE056186.D
Aliphatic C9-C28	Aliphatic C9-C28	8.42		1	0.93	4.08	mg/kg FE056186.D
Total AliphaticEPH	Total AliphaticEPH	23.6			2.14	6.12	mg/kg
Total EPH	Total EPH	23.6			2.14	6.12	mg/kg

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-01	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	97.6
Sample Wt/Vol:	30.07 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056186.D	1	10/03/25	10/04/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	8.42		0.93	4.08	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	15.2		1.21	2.04	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	35.6		40 - 140	71%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	32.5		40 - 140	65%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3277-01	Acq On:	04 Oct 2025 02:26
Client Sample ID:	WC1	Operator:	YP\AJ
Data file:	FE056186.D	Misc:	
Instrument:	FID_E	ALS Vial:	31
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	1301000	9.291	300	ug/ml
Aliphatic C12-C16	6.945	10.393	2249375	14.666	200	ug/ml
Aliphatic C16-C21	10.394	13.770	7104857	42.831	300	ug/ml
Aliphatic C21-C28	13.771	17.439	8430139	56.758	400	ug/ml
Aliphatic C28-C40	17.440	22.443	30371668	222.908	600	ug/ml
Aliphatic EPH	3.311	22.443	49457039	346.454		ug/ml
ortho-Terphenyl (SURR)	12.069	12.069	6100299	32.51		ug/ml
1-chlorooctadecane (SURR)	13.505	13.505	4971848	35.62		ug/ml
Aliphatic C9-C28	3.311	17.439	19085371	123.546	1200	ug/ml



QC SUMMARY

SOIL EPH SURROGATE RECOVERY

Lab Name: Alliance Contract: GENV01
Lab Code: ACE SDG No.: Q3277
Run Number: FE100325AL

CLIENT SAMPLE NO.	1-chlorooctadecane (SURR)	ortho-Terphenyl (SURR)		TOT OUT
PB169970BL	83	82		0
PB169970BS	97	92		0
PB169970BSD	96	90		0
279887MS	45	46		0
279887MSD	100	110		0
WC1	71	65		0

QC LIMITS

1-chlorooctadecane (SURR)

(40-140)

ortho-Terphenyl (SURR)

(40-140)

Column to be used to flag recovery values

* Values outside of contract required QC Limits

D Surrogate diluted out

SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>G Environmental</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3277</u>
Sample No :	<u>Q3262-08MS</u>	Datafile:	<u>FE056170.D</u>
		Client ID :	<u>279887MS</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	34.3	71.3	80.3	26	*	(40-140)
Aliphatic C9-C28	114.3	8000	7170	726	*	(40-140)

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SOLID EPH_NF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>G Environmental</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3277</u>
Sample No :	<u>Q3262-08MSD</u>	Datafile:	<u>FE056171.D</u>
		Client ID :	<u>279887MSD</u>

COMPOUND	SPIKE ADDED mg/kg	SAMPLE CONCENTRATION mg/kg	MS/MSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	34.3	71.3	79.7	24	*	7.11 (40-140)	50
Aliphatic C9-C28	114.4	8000	7070	819	*	12 (40-140)	50

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SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>G Environmental</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3277</u>
Sample No :	<u>PB169970BS</u>	Datafile:	<u>FE056165.D</u>
		Client ID :	<u>PB169970BS</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	QC LIMITS (%)
Aliphatic C28-C40	30.0	32.2	107		(40-140)
Aliphatic C9-C28	99.9	96.7	96		(40-140)

SOLID EPH_NF LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RECOVERY

Lab Name:	<u>Alliance</u>	Client:	<u>G Environmental</u>
Lab Code:	<u>ACE</u>	SDG No:	<u>Q3277</u>
Sample No :	<u>PB169970BSD</u>	Datafile:	<u>FE056166.D</u>
		Client ID :	<u>PB169970BSD</u>

COMPOUND	SPIKE ADDED mg/kg	LCS/LCSD CONCENTRATION mg/kg	% REC	Qual	RPD QC LIMITS (%)	QC Limit Of RPD
Aliphatic C28-C40	30.0	34.0	113		5.8 (40-140)	25
Aliphatic C9-C28	100.1	95.3	94		1.8 (40-140)	25

4B
METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

PB169970BL

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3277

Instrument ID: FID_E

Lab Sample ID: PB169970BL

Matrix: (soil/water) Solid

Date Extracted: 10/3/2025 9:40:00 A

Level: (low/med) low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

CLIENT SAMPLE NO.	LAB SAMPLE ID
PB169970BS	PB169970BS
PB169970BSD	PB169970BSD
279887MS	Q3262-08MS
279887MSD	Q3262-08MSD
WC1	Q3277-01

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	PB169970BL	SDG No.:	Q3277
Lab Sample ID:	PB169970BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/03/25 14:15	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1	1.18	2.00	mg/kg	FE056164.D
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	1	0.91	3.99	mg/kg	FE056164.D
Total AliphaticEPH	Total AliphaticEPH	2.09	U		2.09	5.99	mg/kg	
Total EPH	Total EPH	2.09	U		2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	PB169970BL	SDG No.:	Q3277
Lab Sample ID:	PB169970BL	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056164.D	1	10/03/25	10/03/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	0.91	U	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	1.18	U	1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	41.5		40 - 140	83%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	40.8		40 - 140	82%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169970BL	Acq On:	03 Oct 2025 14:15
Client Sample ID:	PB169970BL	Operator:	YP\AJ
Data file:	FE056164.D	Misc:	
Instrument:	FID_E	ALS Vial:	11
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	0	0	300	ug/ml
Aliphatic C12-C16	6.945	10.393	0	0	200	ug/ml
Aliphatic C16-C21	10.394	13.770	0	0	300	ug/ml
Aliphatic C21-C28	13.771	17.439	0	0	400	ug/ml
Aliphatic C28-C40	17.440	22.443	0	0	600	ug/ml
Aliphatic EPH	3.311	22.443	0	0		ug/ml
ortho-Terphenyl (SURR)	12.070	12.070	7647792	40.76		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	5791001	41.49		ug/ml
Aliphatic C9-C28	3.311	17.439	0	0	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	PB169970BS	SDG No.:	Q3277
Lab Sample ID:	PB169970BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/03/25 14:45	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	32.2		1	1.18	2.00	mg/kg	FE056165.D
Aliphatic C9-C28	Aliphatic C9-C28	96.7	E	1	0.91	3.99	mg/kg	FE056165.D
Total AliphaticEPH	Total AliphaticEPH	129			2.09	5.99	mg/kg	
Total EPH	Total EPH	129			2.09	5.99	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	PB169970BS	SDG No.:	Q3277
Lab Sample ID:	PB169970BS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056165.D	1	10/03/25	10/03/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	96.7	E	0.91	3.99	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	32.2		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.7		40 - 140	97%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.9		40 - 140	92%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169970BS	Acq On:	03 Oct 2025 14:45
Client Sample ID:	PB169970BS	Operator:	YP\AJ
Data file:	FE056165.D	Misc:	
Instrument:	FID_E	ALS Vial:	12
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	33047880	236.009	300	ug/ml
Aliphatic C12-C16	6.945	10.393	51918899	338.506	200	ug/ml
Aliphatic C16-C21	10.394	13.770	61796815	372.54	300	ug/ml
Aliphatic C21-C28	13.771	17.439	75086371	505.54	400	ug/ml
Aliphatic C28-C40	17.440	22.443	65838495	483.211	600	ug/ml
Aliphatic EPH	3.311	22.443	287688460	1940		ug/ml
ortho-Terphenyl (SURR)	12.073	12.073	8604608	45.85		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	6796985	48.7		ug/ml
Aliphatic C9-C28	3.311	17.439	221849965	1450	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	PB169970BSD	SDG No.:	Q3277
Lab Sample ID:	PB169970BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/03/25 15:15	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	34.0		1	1.18	2.00	mg/kg	FE056166.D
Aliphatic C9-C28	Aliphatic C9-C28	95.3	E	1	0.91	4.00	mg/kg	FE056166.D
Total AliphaticEPH	Total AliphaticEPH	129			2.09	6.00	mg/kg	
Total EPH	Total EPH	129			2.09	6.00	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	PB169970BSD	SDG No.:	Q3277
Lab Sample ID:	PB169970BSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056166.D	1	10/03/25	10/03/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	95.3	E	0.91	4.00	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	34.0		1.18	2.00	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	48.2		40 - 140	96%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	45.2		40 - 140	90%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	PB169970BSD	Acq On:	03 Oct 2025 15:15
Client Sample ID:	PB169970BSD	Operator:	YP\AJ
Data file:	FE056166.D	Misc:	
Instrument:	FID_E	ALS Vial:	13
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.311	6.944	31734901	226.633	300	ug/ml
Aliphatic C12-C16	6.945	10.393	50722265	330.704	200	ug/ml
Aliphatic C16-C21	10.394	13.770	61064273	368.124	300	ug/ml
Aliphatic C21-C28	13.771	17.439	74997158	504.939	400	ug/ml
Aliphatic C28-C40	17.440	22.443	69566785	510.575	600	ug/ml
Aliphatic EPH	3.311	22.443	288085382	1940		ug/ml
ortho-Terphenyl (SURR)	12.072	12.072	8478477	45.18		ug/ml
1-chlorooctadecane (SURR)	13.507	13.507	6724146	48.18		ug/ml
Aliphatic C9-C28	3.311	17.439	218518597	1430	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	279887MS	SDG No.:	Q3277
Lab Sample ID:	Q3262-08MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/03/25 17:17	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	80.3	E	1	1.35	2.29	mg/kg	FE056170.D
Aliphatic C9-C28	Aliphatic C9-C28	7170	E	1	1.04	4.56	mg/kg	FE056170.D
Total AliphaticEPH	Total AliphaticEPH	7250			2.39	6.85	mg/kg	
Total EPH	Total EPH	7250			2.39	6.85	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	279887MS	SDG No.:	Q3277
Lab Sample ID:	Q3262-08MS	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.04 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056170.D	1	10/03/25	10/03/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7170	E	1.04	4.56	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	80.3	E	1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	22.5		40 - 140	45%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	22.9		40 - 140	46%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3262-08MS	Acq On:	03 Oct 2025 17:17
Client Sample ID:	279887MS	Operator:	YP\AJ
Data file:	FE056170.D	Misc:	
Instrument:	FID_E	ALS Vial:	17
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.310	6.942	35615790	254.348	300	ug/ml
Aliphatic C12-C16	6.943	10.392	1029256474	6710	200	ug/ml
Aliphatic C16-C21	10.393	13.769	10192408892	61400	300	ug/ml
Aliphatic C21-C28	13.770	17.439	3827011712	25800	400	ug/ml
Aliphatic C28-C40	17.440	22.439	143606442	1050	600	ug/ml
Aliphatic EPH	3.310	22.439	15227899310	95200		ug/ml
ortho-Terphenyl (SURR)	12.066	12.066	4289162	22.86		ug/ml
1-chlorooctadecane (SURR)	13.491	13.491	3137165	22.48		ug/ml
Aliphatic C9-C28	3.310	17.439	15084292868	94200	1200	ug/ml

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Newport	Date Received:	
Client Sample ID:	279887MSD	SDG No.:	Q3277
Lab Sample ID:	Q3262-08MSD	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	87.4
Sample Wt/Vol:	30.01 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
10/03/25 09:40	10/03/25 17:47	PB169970

Datafile

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	79.7	E	1	1.35	2.29	mg/kg	FE056171.D
Aliphatic C9-C28	Aliphatic C9-C28	7070	E	1	1.04	4.57	mg/kg	FE056171.D
Total AliphaticEPH	Total AliphaticEPH	7150			2.39	6.86	mg/kg	
Total EPH	Total EPH	7150			2.39	6.86	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Newport		Date Received:	
Client Sample ID:	279887MSD		SDG No.:	Q3277
Lab Sample ID:	Q3262-08MSD		Matrix:	Solid
Analytical Method:	NJEPH		% Solid:	87.4
Sample Wt/Vol:	30.01	Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:		uL	Test:	EPH_NF
Prep Method :				

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE056171.D	1	10/03/25	10/03/25	PB169970

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
Aliphatic C9-C28	Aliphatic C9-C28	7070	E	1.04	4.57	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40	79.7	E	1.35	2.29	mg/kg
SURROGATES						
3383-33-2	1-chlorooctadecane (SURR)	49.8		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)	55.1		40 - 140	110%	SPK: 50



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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	Q3262-08MSD	Acq On:	03 Oct 2025 17:47
Client Sample ID:	279887MSD	Operator:	YP\AJ
Data file:	FE056171.D	Misc:	
Instrument:	FID_E	ALS Vial:	18
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.310	6.942	36101694	257.818	300	ug/ml
Aliphatic C12-C16	6.943	10.392	1050118786	6850	200	ug/ml
Aliphatic C16-C21	10.393	13.769	9921464061	59800	300	ug/ml
Aliphatic C21-C28	13.770	17.439	3826465767	25800	400	ug/ml
Aliphatic C28-C40	17.440	22.439	142360643	1040	600	ug/ml
Aliphatic EPH	3.310	22.439	14976510951	93700		ug/ml
ortho-Terphenyl (SURR)	12.064	12.064	10338131	55.09		ug/ml
1-chlorooctadecane (SURR)	13.519	13.519	6950689	49.8		ug/ml
Aliphatic C9-C28	3.310	17.439	14834150308	92700	1200	ug/ml



CALIBRATION SUMMARY

Initial Calibration Report for SequenceID : FE092425AL

AreaCount

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	37542791.000	22892697.000	8462672.000	4191009.000	2124515.000	
Aliphatic C12-C16	28448375.000	15981763.000	6036724.000	3116285.000	1580906.000	
Aliphatic C16-C21	47319022.000	24326712.000	9480340.000	5176882.000	2683832.000	
Aliphatic C21-C28	56499296.000	28330990.000	11268637.000	6189034.000	3282975.000	
Aliphatic C28-C40	72708634.000	38000593.000	15509370.000	8760386.000	4744762.000	
Aliphatic EPH	242518118.000	129532755.000	50757743.000	27433596.000	14416990.000	

AVG Response Factor

Parameter Range	AVG RF	% RSD				
Aliphatic C9-C12	140027.9566664	6.995				
Aliphatic C12-C16	153376.491	4.607				
Aliphatic C16-C21	165879.737333	5.694				
Aliphatic C21-C28	148527.1505	7.073				
Aliphatic C28-C40	136251.923333	11.27				
Aliphatic EPH	146449.7892216	6.809				

Concentration

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	300.000	150.000	60.000	30.000	15.000	
Aliphatic C12-C16	200.000	100.000	40.000	20.000	10.000	
Aliphatic C16-C21	300.000	150.000	60.000	30.000	15.000	
Aliphatic C21-C28	400.000	200.000	80.000	40.000	20.000	
Aliphatic C28-C40	600.000	300.000	120.000	60.000	30.000	
Aliphatic EPH	1800.000	900.000	360.000	180.000	90.000	

Response Factor

Parameter Range	FE055962.D	FE055963.D	FE055964.D	FE055965.D	FE055966.D	
Aliphatic C9-C12	125142.636666	152617.980000	141044.533333	139700.300000	141634.333333	
Aliphatic C12-C16	142241.875000	159817.630000	150918.100000	155814.250000	158090.600000	
Aliphatic C16-C21	157730.073333	162178.080000	158005.666666	172562.733333	178922.133333	

Initial Calibration Report for SequenceID : FE092425AL

Aliphatic C21-C28	141248.240000	141654.950000	140857.962500	154725.850000	164148.750000	
Aliphatic C28-C40	121181.056666	126668.643333	129244.750000	146006.433333	158158.733333	
Aliphatic EPH	134732.287777	143925.283333	140993.730555	152408.866666	160188.777777	

Continuing Calibration Report for SequenceID : FE100325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056163.D

Aliphatic C9-C12	8104359.000	60.000	3.311	6.944	135072.650	140027.957	3.539
Aliphatic C12-C16	6592546.000	40.000	6.945	10.393	164813.650	153376.491	-7.457
Aliphatic C16-C21	10831206.000	60.000	10.394	13.770	180520.100	165879.737	-8.826
Aliphatic C21-C28	12738583.000	80.000	13.771	17.439	159232.288	148527.151	-7.208
Aliphatic C28-C40	17718959.000	120.000	17.440	22.443	147657.992	136251.923	-8.371
Aliphatic EPH	55985653.000	360.000	3.311	22.443	155515.703	146449.789	-6.190

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Oct 2025 11:00
Client Sample ID:		Operator:	YPIAJ
Data file:	FE056163.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.311	6.944	8104359.000	60.000	ug/ml
Aliphatic C12-C16	6.945	10.393	6592546.000	40.000	ug/ml
Aliphatic C16-C21	10.394	13.770	10831206.000	60.000	ug/ml
Aliphatic C21-C28	13.771	17.439	12738583.000	80.000	ug/ml
Aliphatic C28-C40	17.440	22.443	17718959.000	120.000	ug/ml
Aliphatic EPH	3.311	22.443	55985653.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE100325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056177.D

Aliphatic C9-C12	7448117.000	60.000	3.311	6.944	124135.283	140027.957	11.350
Aliphatic C12-C16	6053684.000	40.000	6.945	10.393	151342.100	153376.491	1.326
Aliphatic C16-C21	9852406.000	60.000	10.394	13.770	164206.767	165879.737	1.009
Aliphatic C21-C28	11632816.000	80.000	13.771	17.439	145410.200	148527.151	2.099
Aliphatic C28-C40	16324054.000	120.000	17.440	22.443	136033.783	136251.923	0.160
Aliphatic EPH	51311077.000	360.000	3.311	22.443	142530.769	146449.789	2.676

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	03 Oct 2025 21:20
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056177.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.311	6.944	7448117.000	60.000	ug/ml
Aliphatic C12-C16	6.945	10.393	6053684.000	40.000	ug/ml
Aliphatic C16-C21	10.394	13.770	9852406.000	60.000	ug/ml
Aliphatic C21-C28	13.771	17.439	11632816.000	80.000	ug/ml
Aliphatic C28-C40	17.440	22.443	16324054.000	120.000	ug/ml
Aliphatic EPH	3.311	22.443	51311077.000	360.000	ug/ml

Continuing Calibration Report for SequenceID : FE100325AL

Parameter	AreaCount	Conc.	RT_Min	RT_Max	Response Factor	AVGRF	%DEV
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File ID : FE056190.D

Aliphatic C9-C12	7433078.000	60.000	3.311	6.944	123884.633	140027.957	11.529
Aliphatic C12-C16	6092853.000	40.000	6.945	10.393	152321.325	153376.491	0.688
Aliphatic C16-C21	9976890.000	60.000	10.394	13.770	166281.500	165879.737	-0.242
Aliphatic C21-C28	11763260.000	80.000	13.771	17.439	147040.750	148527.151	1.001
Aliphatic C28-C40	16330305.000	120.000	17.440	22.443	136085.875	136251.923	0.122
Aliphatic EPH	51596386.000	360.000	3.311	22.443	143323.294	146449.789	2.135

Lab Sample ID:	20 PPM ALIPHATIC HC 9	Acq On:	04 Oct 2025 05:30
Client Sample ID:		Operator:	YP\AJ
Data file:	FE056190.D	Misc:	
Instrument:	FID_E	ALS Vial:	2
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	Units
Aliphatic C9-C12	3.311	6.944	7433078.000	60.000	ug/ml
Aliphatic C12-C16	6.945	10.393	6092853.000	40.000	ug/ml
Aliphatic C16-C21	10.394	13.770	9976890.000	60.000	ug/ml
Aliphatic C21-C28	13.771	17.439	11763260.000	80.000	ug/ml
Aliphatic C28-C40	17.440	22.443	16330305.000	120.000	ug/ml
Aliphatic EPH	3.311	22.443	51596386.000	360.000	ug/ml



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
Data File : FE056186.D
Signal(s) : FID1B.ch
Acq On : 04 Oct 2025 02:26
Operator : YP\AJ
Sample : Q3277-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC1

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
Quant Time: Oct 04 03:37:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.069	6100299	32.509 ug/ml
Spiked Amount	50.000	Recovery	= 65.02%
12) S 1-chlorooctadecane (S...	13.505	4971848	35.624 ug/ml
Spiked Amount	50.000	Recovery	= 71.25%

Target Compounds

(f)=RT Delta > 1/2 Window

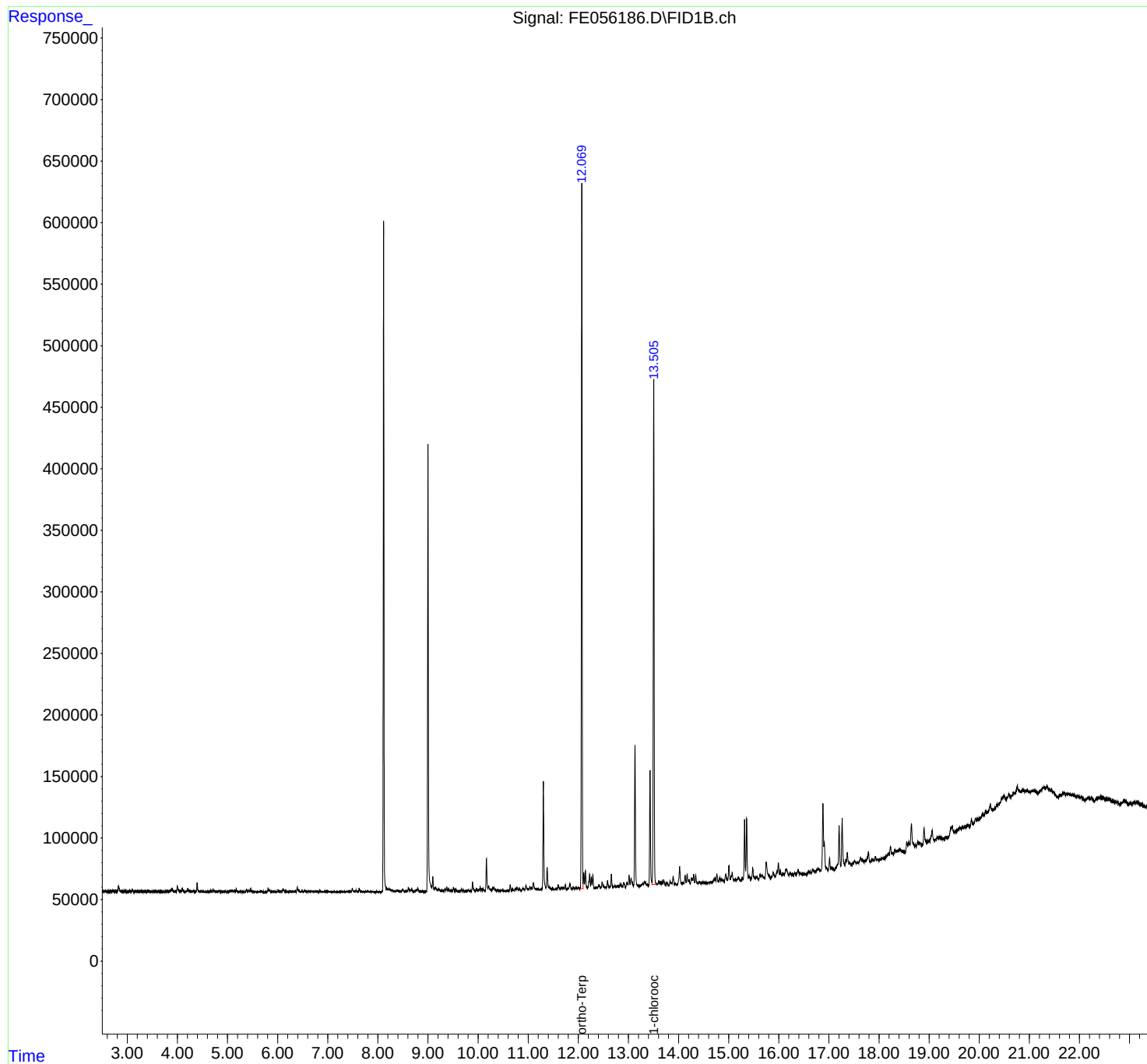
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
Data File : FE056186.D
Signal(s) : FID1B.ch
Acq On : 04 Oct 2025 02:26
Operator : YP\AJ
Sample : Q3277-01
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
WC1

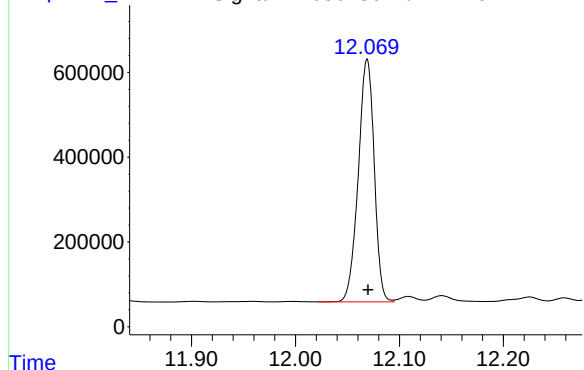
Integration File: autoint1.e
Quant Time: Oct 04 03:37:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



Signal: FE056186.D\FID1B.ch

#9 ortho-Terphenyl (SURR)

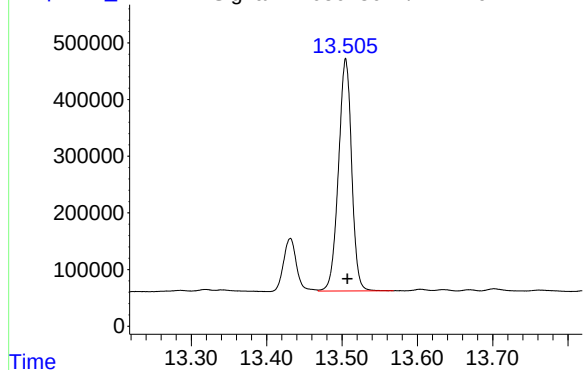


R.T.: 12.069 min
Delta R.T.: 0.000 min
Response: 6100299
Conc: 32.51 ug/ml

Instrument :
FID_E
ClientSampleId :
WC1

Signal: FE056186.D\FID1B.ch

#12 1-chlorooctadecane (SURR)



R.T.: 13.505 min
Delta R.T.: -0.002 min
Response: 4971848
Conc: 35.62 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
 Data File : FE056186.D
 Signal(s) : FID1B.ch
 Acq On : 04 Oct 2025 02:26
 Sample : Q3277-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.821	2.804	2.881	PH	4154	71449	1.17%	0.118%
2	2.901	2.881	2.926	PV	147	2143	0.04%	0.004%
3	2.955	2.926	3.008	VV	612	11394	0.19%	0.019%
4	3.042	3.008	3.072	PV	740	10743	0.18%	0.018%
5	3.101	3.072	3.136	VV	1909	24364	0.40%	0.040%
6	3.150	3.136	3.160	VV	202	2035	0.03%	0.003%
7	3.187	3.160	3.208	VV	374	7162	0.12%	0.012%
8	3.276	3.208	3.314	VV	467	18583	0.30%	0.031%
9	3.324	3.314	3.358	VV	250	3723	0.06%	0.006%
10	3.372	3.358	3.380	PV	106	1167	0.02%	0.002%
11	3.408	3.380	3.459	VV	1162	20768	0.34%	0.034%
12	3.465	3.459	3.504	VV	238	4663	0.08%	0.008%
13	3.526	3.504	3.541	VV	463	6785	0.11%	0.011%
14	3.556	3.541	3.571	VV	412	5788	0.09%	0.010%
15	3.591	3.571	3.611	VV	335	5844	0.10%	0.010%
16	3.625	3.611	3.706	VV	320	13009	0.21%	0.021%
17	3.731	3.706	3.771	VV	476	11583	0.19%	0.019%
18	3.807	3.771	3.823	VV	306	6939	0.11%	0.011%
19	3.881	3.823	3.931	VV	2288	53870	0.88%	0.089%
20	3.942	3.931	3.961	VV	450	6081	0.10%	0.010%
21	3.969	3.961	3.977	VV	305	2624	0.04%	0.004%
22	3.999	3.977	4.078	VV	4702	80566	1.32%	0.133%
23	4.099	4.078	4.161	VV	3188	47248	0.77%	0.078%
24	4.207	4.161	4.229	VV	3021	43258	0.71%	0.071%
25	4.240	4.229	4.276	VV	914	16717	0.27%	0.028%
26	4.280	4.276	4.290	VV	507	3817	0.06%	0.006%
27	4.316	4.290	4.343	VV	813	14658	0.24%	0.024%
28	4.394	4.343	4.425	VV	7299	92771	1.52%	0.153%
29	4.441	4.425	4.536	VV	664	23449	0.38%	0.039%
30	4.566	4.536	4.598	VV	420	10877	0.18%	0.018%
31	4.611	4.598	4.641	VV	510	8484	0.14%	0.014%

					rt	Area	%Area	%Area
32	4.668	4.641	4.690	VV	1436	18536	0.30%	0.030%
33	4.711	4.690	4.734	VV	2668	30801	0.50%	0.051%
34	4.746	4.734	4.768	VV	533	7178	0.12%	0.012%
35	4.783	4.768	4.811	VV	387	6044	0.10%	0.010%
36	4.830	4.811	4.871	VV	1413	19846	0.32%	0.033%
37	4.888	4.871	4.898	VV	321	3812	0.06%	0.006%
38	4.917	4.898	4.936	VV	415	6838	0.11%	0.011%
39	4.954	4.936	4.974	VV	825	9649	0.16%	0.016%
40	4.983	4.974	4.999	VV	373	4598	0.08%	0.008%
41	5.010	4.999	5.027	VV	302	4542	0.07%	0.007%
42	5.060	5.027	5.074	VV	1419	19332	0.32%	0.032%
43	5.090	5.074	5.111	VV	1746	21186	0.35%	0.035%
44	5.132	5.111	5.154	VV	1484	22139	0.36%	0.036%
45	5.173	5.154	5.228	VV	2048	30915	0.51%	0.051%
46	5.254	5.228	5.306	VV	982	13598	0.22%	0.022%
47	5.345	5.306	5.357	VV	410	7132	0.12%	0.012%
48	5.378	5.357	5.409	VV	2150	32852	0.54%	0.054%
49	5.429	5.409	5.444	VV	1199	16717	0.27%	0.028%
50	5.461	5.444	5.479	VV	3082	32914	0.54%	0.054%
51	5.488	5.479	5.507	VV	768	8706	0.14%	0.014%
52	5.518	5.507	5.536	VV	323	3677	0.06%	0.006%
53	5.546	5.536	5.571	VV	136	1708	0.03%	0.003%
54	5.589	5.571	5.600	VV	213	2829	0.05%	0.005%
55	5.616	5.600	5.641	VV	469	6667	0.11%	0.011%
56	5.667	5.641	5.748	VV	891	20107	0.33%	0.033%
57	5.754	5.748	5.768	VV	147	1126	0.02%	0.002%
58	5.809	5.768	5.827	PV	3506	38119	0.62%	0.063%
59	5.843	5.827	5.907	VV	2170	32723	0.54%	0.054%
60	5.926	5.907	5.958	VV	643	10577	0.17%	0.017%
61	5.964	5.958	5.973	VV	218	1617	0.03%	0.003%
62	6.006	5.973	6.026	VV	1404	22204	0.36%	0.037%
63	6.037	6.026	6.052	VV	732	8411	0.14%	0.014%
64	6.071	6.052	6.085	VV	423	7403	0.12%	0.012%
65	6.107	6.085	6.147	VV	2833	47857	0.78%	0.079%
66	6.164	6.147	6.185	VV	1161	15010	0.25%	0.025%
67	6.202	6.185	6.219	VV	758	9317	0.15%	0.015%
68	6.240	6.219	6.274	VV	635	13782	0.23%	0.023%
69	6.293	6.274	6.317	VV	782	12249	0.20%	0.020%
70	6.349	6.317	6.367	VV	920	16825	0.28%	0.028%
71	6.391	6.367	6.464	VV	4020	72000	1.18%	0.118%
72	6.486	6.464	6.507	VV	1113	16382	0.27%	0.027%
73	6.543	6.507	6.604	VV	1329	42372	0.69%	0.070%
74	6.617	6.604	6.634	VV	804	10255	0.17%	0.017%
75	6.659	6.634	6.697	VV	1011	25130	0.41%	0.041%
76	6.710	6.697	6.736	VV	543	9674	0.16%	0.016%
77	6.763	6.736	6.822	VV	815	19568	0.32%	0.032%
78	6.842	6.822	6.892	VV	1413	20216	0.33%	0.033%
79	6.931	6.892	6.948	VV	637	11171	0.18%	0.018%

80	6.967	6.948	6.984	VV	649	10932	0.18%	0.018%
81	6.997	6.984	7.021	VV	1176	12642	0.21%	0.021%
82	7.047	7.021	7.087	VV	550	11098	0.18%	0.018%
83	7.099	7.087	7.109	VV	219	2241	0.04%	0.004%
84	7.132	7.109	7.154	VV	886	11321	0.19%	0.019%
85	7.177	7.154	7.227	PV	604	13705	0.22%	0.023%
86	7.256	7.227	7.281	VV	663	12863	0.21%	0.021%
87	7.292	7.281	7.313	VV	346	4890	0.08%	0.008%
88	7.335	7.313	7.346	VV	426	6629	0.11%	0.011%
89	7.379	7.346	7.408	VV	614	16921	0.28%	0.028%
90	7.422	7.408	7.451	VV	821	13585	0.22%	0.022%
91	7.490	7.451	7.545	VV	3261	59839	0.98%	0.098%
92	7.566	7.545	7.605	VV	1676	26420	0.43%	0.043%
93	7.628	7.605	7.655	VV	3177	40618	0.67%	0.067%
94	7.664	7.655	7.682	VV	575	7068	0.12%	0.012%
95	7.696	7.682	7.725	VV	388	7445	0.12%	0.012%
96	7.792	7.725	7.834	VV	1334	28715	0.47%	0.047%
97	7.843	7.834	7.849	VV	309	2223	0.04%	0.004%
98	7.877	7.849	7.904	VV	412	9003	0.15%	0.015%
99	7.921	7.904	7.938	VV	200	2797	0.05%	0.005%
100	7.973	7.938	8.004	VV	381	7472	0.12%	0.012%
101	8.027	8.004	8.042	PV	213	3206	0.05%	0.005%
102	8.056	8.042	8.071	VV	55	1386	0.02%	0.002%
103	8.227	8.203	8.318	VV	2511	110793	1.81%	0.182%
104	8.324	8.318	8.347	VV	833	13223	0.22%	0.022%
105	8.391	8.347	8.474	VV	1326	57639	0.94%	0.095%
106	8.498	8.474	8.540	VV	1928	43266	0.71%	0.071%
107	8.574	8.540	8.584	VV	853	18264	0.30%	0.030%
108	8.609	8.584	8.626	VV	3699	48631	0.80%	0.080%
109	8.638	8.626	8.654	VV	2117	25321	0.41%	0.042%
110	8.676	8.654	8.718	VV	2332	43501	0.71%	0.072%
111	8.742	8.718	8.752	VV	1064	14703	0.24%	0.024%
112	8.798	8.752	8.834	VV	2804	68161	1.12%	0.112%
113	8.847	8.834	8.866	VV	735	8941	0.15%	0.015%
114	8.887	8.866	8.920	VV	850	13521	0.22%	0.022%
115	8.936	8.920	8.952	VV	442	4321	0.07%	0.007%
116	9.096	9.076	9.128	VV	12341	180875	2.96%	0.298%
117	9.146	9.128	9.198	VV	3125	95842	1.57%	0.158%
118	9.218	9.198	9.244	VV	2448	45819	0.75%	0.075%
119	9.255	9.244	9.261	VV	865	8186	0.13%	0.013%
120	9.276	9.261	9.303	VV	814	20058	0.33%	0.033%
121	9.339	9.303	9.358	VV	2300	40659	0.67%	0.067%
122	9.374	9.358	9.395	VV	3807	49193	0.81%	0.081%
123	9.414	9.395	9.447	VV	1777	40283	0.66%	0.066%
124	9.462	9.447	9.478	VV	991	14192	0.23%	0.023%
125	9.508	9.478	9.531	VV	3522	49541	0.81%	0.081%
126	9.550	9.531	9.628	VV	2044	37568	0.62%	0.062%

					rt	Area	Area%	Area%
127	9.667	9.628	9.684	VV	1891	24908	0.41%	0.041%
128	9.699	9.684	9.732	VV	1423	19166	0.31%	0.032%
129	9.750	9.732	9.767	VV	357	4547	0.07%	0.007%
130	9.803	9.767	9.826	VV	1545	23960	0.39%	0.039%
131	9.845	9.826	9.863	VV	823	11708	0.19%	0.019%
132	9.889	9.863	9.940	VV	7565	115789	1.90%	0.190%
133	9.969	9.940	9.995	VV	2205	40660	0.67%	0.067%
134	10.011	9.995	10.023	VV	1473	17486	0.29%	0.029%
135	10.042	10.023	10.084	VV	2910	55528	0.91%	0.091%
136	10.100	10.084	10.140	VV	1758	33395	0.55%	0.055%
137	10.167	10.140	10.197	VV	26328	324855	5.32%	0.534%
138	10.212	10.197	10.271	VV	4277	97822	1.60%	0.161%
139	10.292	10.271	10.303	VV	3208	41640	0.68%	0.069%
140	10.314	10.303	10.358	VV	3036	56600	0.93%	0.093%
141	10.378	10.358	10.391	VV	975	15791	0.26%	0.026%
142	10.406	10.391	10.434	VV	899	15139	0.25%	0.025%
143	10.474	10.434	10.552	VV	746	21058	0.34%	0.035%
144	10.576	10.552	10.587	PV	184	2196	0.04%	0.004%
145	10.605	10.587	10.618	PV	244	3274	0.05%	0.005%
146	10.641	10.618	10.665	VV	5293	63170	1.03%	0.104%
147	10.684	10.665	10.704	VV	1478	22787	0.37%	0.037%
148	10.745	10.704	10.760	VV	2276	40903	0.67%	0.067%
149	10.775	10.760	10.800	VV	2892	44398	0.73%	0.073%
150	10.819	10.800	10.856	VV	2419	34984	0.57%	0.058%
151	10.894	10.856	10.931	VV	2225	48129	0.79%	0.079%
152	10.955	10.931	11.004	VV	4171	83491	1.37%	0.137%
153	11.032	11.004	11.049	VV	3444	49065	0.80%	0.081%
154	11.064	11.049	11.079	VV	2592	32424	0.53%	0.053%
155	11.104	11.079	11.183	VV	6180	137744	2.26%	0.227%
156	11.198	11.183	11.216	VV	1479	17479	0.29%	0.029%
157	11.234	11.216	11.249	VV	743	11671	0.19%	0.019%
158	11.302	11.249	11.354	VV	88537	1061397	17.38%	1.746%
159	11.378	11.354	11.420	VV	18300	260874	4.27%	0.429%
160	11.430	11.420	11.460	VV	2161	32889	0.54%	0.054%
161	11.477	11.460	11.504	VV	903	19708	0.32%	0.032%
162	11.517	11.504	11.534	VV	402	5141	0.08%	0.008%
163	11.557	11.534	11.574	VV	839	13200	0.22%	0.022%
164	11.597	11.574	11.634	VV	4069	67248	1.10%	0.111%
165	11.669	11.634	11.687	VV	2044	32966	0.54%	0.054%
166	11.705	11.687	11.719	VV	1280	21365	0.35%	0.035%
167	11.740	11.719	11.764	VV	3610	46648	0.76%	0.077%
168	11.833	11.764	11.870	VV	4590	88437	1.45%	0.145%
169	11.902	11.870	11.922	PV	1665	21975	0.36%	0.036%
170	11.958	11.922	11.981	VV	1445	27017	0.44%	0.044%
171	11.998	11.981	12.022	VV	1240	17282	0.28%	0.028%
172	12.069	12.022	12.094	VV	570869	6106457	100.00%	10.046%
173	12.109	12.094	12.124	VV	12972	149302	2.44%	0.246%
174	12.141	12.124	12.183	VV	14775	205580	3.37%	0.338%

175	12.225	12.183	12.243	VV	11517	189294	3.10%	0.311%
176	12.258	12.243	12.273	VV	9331	107913	1.77%	0.178%
177	12.290	12.273	12.324	VV	10969	141136	2.31%	0.232%
178	12.352	12.324	12.364	VV	709	11444	0.19%	0.019%
179	12.412	12.364	12.453	VV	3059	63327	1.04%	0.104%
180	12.475	12.453	12.555	VV	5203	104531	1.71%	0.172%
181	12.582	12.555	12.628	PV	6022	93083	1.52%	0.153%
182	12.659	12.628	12.698	VV	11123	144352	2.36%	0.237%
183	12.728	12.698	12.748	VV	1748	31107	0.51%	0.051%
184	12.784	12.748	12.801	VV	1296	29553	0.48%	0.049%
185	12.832	12.801	12.844	VV	2187	36279	0.59%	0.060%
186	12.854	12.844	12.884	VV	1952	30538	0.50%	0.050%
187	12.904	12.884	12.942	VV	3746	68394	1.12%	0.113%
188	12.971	12.942	12.990	VV	3541	60418	0.99%	0.099%
189	13.013	12.990	13.031	VV	9525	129938	2.13%	0.214%
190	13.052	13.031	13.100	VV	7263	160281	2.62%	0.264%
191	13.131	13.100	13.184	VV	114706	1354222	22.18%	2.228%
192	13.196	13.184	13.213	VV	1146	14355	0.24%	0.024%
193	13.228	13.213	13.244	VV	824	12112	0.20%	0.020%
194	13.286	13.244	13.300	VV	2813	55259	0.90%	0.091%
195	13.319	13.300	13.332	VV	4377	59498	0.97%	0.098%
196	13.341	13.332	13.401	VV	3493	73994	1.21%	0.122%
197	13.431	13.401	13.468	VV	94231	1145047	18.75%	1.884%
198	13.505	13.468	13.584	VV	409867	5075978	83.12%	8.350%
199	13.604	13.584	13.620	VV	4217	62407	1.02%	0.103%
200	13.634	13.620	13.653	VV	3585	49657	0.81%	0.082%
201	13.669	13.653	13.684	VV	3280	42050	0.69%	0.069%
202	13.702	13.684	13.743	VV	4993	86756	1.42%	0.143%
203	13.762	13.743	13.804	VV	2536	48971	0.80%	0.081%
204	13.830	13.804	13.869	PV	3149	70938	1.16%	0.117%
205	13.893	13.869	13.921	VV	7094	112573	1.84%	0.185%
206	13.933	13.921	13.965	VV	1058	17657	0.29%	0.029%
207	14.022	13.965	14.066	VV	14865	271736	4.45%	0.447%
208	14.087	14.066	14.104	VV	2110	29574	0.48%	0.049%
209	14.131	14.104	14.151	VV	7406	104130	1.71%	0.171%
210	14.171	14.151	14.193	VV	8242	116086	1.90%	0.191%
211	14.209	14.193	14.233	VV	3760	58541	0.96%	0.096%
212	14.258	14.233	14.273	VV	5315	78102	1.28%	0.128%
213	14.301	14.273	14.324	VV	8200	137479	2.25%	0.226%
214	14.343	14.324	14.386	VV	7012	100897	1.65%	0.166%
215	14.418	14.386	14.441	VV	1831	33859	0.55%	0.056%
216	14.469	14.441	14.478	VV	984	16445	0.27%	0.027%
217	14.486	14.478	14.491	VV	981	7223	0.12%	0.012%
218	14.499	14.491	14.518	VV	960	12742	0.21%	0.021%
219	14.529	14.518	14.545	VV	718	8953	0.15%	0.015%
220	14.555	14.545	14.570	VV	502	4731	0.08%	0.008%
221	14.612	14.570	14.631	PV	861	16299	0.27%	0.027%

					rt	Area	%Area	%Area
222	14.660	14.631	14.675	VV	895	16139	0.26%	0.027%
223	14.726	14.675	14.744	VV	3047	88019	1.44%	0.145%
224	14.765	14.744	14.796	VV	7149	109150	1.79%	0.180%
225	14.823	14.796	14.846	VV	3682	67109	1.10%	0.110%
226	14.863	14.846	14.911	VV	2594	60331	0.99%	0.099%
227	14.941	14.911	14.979	VV	6793	138120	2.26%	0.227%
228	15.004	14.979	15.029	VV	12832	187854	3.08%	0.309%
229	15.069	15.029	15.106	VV	7236	161534	2.65%	0.266%
230	15.128	15.106	15.146	VV	1695	30632	0.50%	0.050%
231	15.194	15.146	15.243	VV	2971	79925	1.31%	0.131%
232	15.271	15.243	15.286	VV	2231	30209	0.49%	0.050%
233	15.317	15.286	15.337	VV	49384	610614	10.00%	1.005%
234	15.358	15.337	15.392	VV	50174	692566	11.34%	1.139%
235	15.406	15.392	15.439	VV	3730	64685	1.06%	0.106%
236	15.480	15.439	15.531	VV	9234	189505	3.10%	0.312%
237	15.560	15.531	15.594	VV	2392	52656	0.86%	0.087%
238	15.625	15.594	15.645	PV	3810	61822	1.01%	0.102%
239	15.661	15.645	15.721	VV	3315	85128	1.39%	0.140%
240	15.749	15.721	15.834	VV	13634	327213	5.36%	0.538%
241	15.886	15.834	15.926	VV	4588	100474	1.65%	0.165%
242	15.992	15.926	16.014	VV	11834	257554	4.22%	0.424%
243	16.031	16.014	16.062	VV	6059	95447	1.56%	0.157%
244	16.079	16.062	16.107	VV	2404	52924	0.87%	0.087%
245	16.152	16.107	16.196	VV	6271	197310	3.23%	0.325%
246	16.231	16.196	16.254	VV	2904	64498	1.06%	0.106%
247	16.273	16.254	16.295	VV	1708	32100	0.53%	0.053%
248	16.316	16.295	16.340	VV	2772	41657	0.68%	0.069%
249	16.385	16.340	16.410	VV	4993	102652	1.68%	0.169%
250	16.425	16.410	16.473	VV	1725	35762	0.59%	0.059%
251	16.495	16.473	16.508	VV	612	8385	0.14%	0.014%
252	16.524	16.508	16.544	PV	549	4228	0.07%	0.007%
253	16.592	16.544	16.607	PV	1986	30577	0.50%	0.050%
254	16.626	16.607	16.646	VV	1689	27372	0.45%	0.045%
255	16.671	16.646	16.714	VV	3100	72737	1.19%	0.120%
256	16.793	16.714	16.837	VV	3445	143794	2.35%	0.237%
257	16.882	16.837	16.984	VV	55349	1190723	19.50%	1.959%
258	17.014	16.984	17.036	VV	10159	135028	2.21%	0.222%
259	17.048	17.036	17.091	VV	2091	41377	0.68%	0.068%
260	17.105	17.091	17.118	VV	708	6584	0.11%	0.011%
261	17.205	17.118	17.237	PV	34981	563640	9.23%	0.927%
262	17.265	17.237	17.315	VV	40062	618774	10.13%	1.018%
263	17.338	17.315	17.349	VV	6548	92029	1.51%	0.151%
264	17.367	17.349	17.400	VV	11693	204851	3.35%	0.337%
265	17.416	17.400	17.439	VV	3927	58486	0.96%	0.096%
266	17.510	17.439	17.547	VV	3508	142582	2.33%	0.235%
267	17.569	17.547	17.584	VV	2126	37913	0.62%	0.062%
268	17.629	17.584	17.702	VV	5012	200312	3.28%	0.330%
269	17.728	17.702	17.741	VV	2508	43267	0.71%	0.071%

270	17.789	17.741	17.830	VV	8678	183354	3.00%	0.302%
271	17.855	17.830	17.865	PV	2005	23424	0.38%	0.039%
272	17.880	17.865	17.904	VV	1984	27524	0.45%	0.045%
273	17.927	17.904	17.949	VV	3677	53277	0.87%	0.088%
274	17.967	17.949	17.992	VV	1158	19717	0.32%	0.032%
275	17.997	17.992	18.005	VV	520	2679	0.04%	0.004%
276	18.029	18.005	18.047	PV	917	13792	0.23%	0.023%
277	18.072	18.047	18.088	VV	830	14645	0.24%	0.024%
278	18.183	18.088	18.197	VV	3038	93620	1.53%	0.154%
279	18.228	18.197	18.255	VV	8523	173631	2.84%	0.286%
280	18.264	18.255	18.287	VV	2863	47998	0.79%	0.079%
281	18.317	18.287	18.341	VV	5168	113569	1.86%	0.187%
282	18.361	18.341	18.371	VV	3799	63771	1.04%	0.105%
283	18.389	18.371	18.401	VV	4100	63092	1.03%	0.104%
284	18.417	18.401	18.456	VV	4843	118463	1.94%	0.195%
285	18.468	18.456	18.524	VV	2526	64564	1.06%	0.106%
286	18.552	18.524	18.574	VV	8582	156774	2.57%	0.258%
287	18.597	18.574	18.617	VV	8449	174430	2.86%	0.287%
288	18.646	18.617	18.709	VV	22760	555122	9.09%	0.913%
289	18.724	18.709	18.744	VV	4333	75401	1.23%	0.124%
290	18.775	18.744	18.791	VV	5931	139322	2.28%	0.229%
291	18.807	18.791	18.862	VV	5450	168677	2.76%	0.277%
292	18.898	18.862	18.958	VV	16230	412074	6.75%	0.678%
293	18.979	18.958	18.990	VV	4674	85173	1.39%	0.140%
294	19.060	18.990	19.112	VV	12674	479071	7.85%	0.788%
295	19.162	19.112	19.184	VV	5975	204923	3.36%	0.337%
296	19.192	19.184	19.212	VV	5482	85178	1.39%	0.140%
297	19.230	19.212	19.266	VV	4995	134329	2.20%	0.221%
298	19.279	19.266	19.303	VV	3342	68497	1.12%	0.113%
299	19.329	19.303	19.344	VV	4008	88418	1.45%	0.145%
300	19.350	19.344	19.358	VV	3862	31049	0.51%	0.051%
301	19.372	19.358	19.381	VV	3698	47839	0.78%	0.079%
302	19.437	19.381	19.451	VV	10605	296372	4.85%	0.488%
303	19.460	19.451	19.503	VV	10886	261805	4.29%	0.431%
304	19.514	19.503	19.523	VV	6425	70526	1.15%	0.116%
305	19.539	19.523	19.547	VV	6896	88030	1.44%	0.145%
306	19.611	19.547	19.637	VV	8786	406762	6.66%	0.669%
307	19.665	19.637	19.686	VV	8798	236678	3.88%	0.389%
308	19.749	19.686	19.758	VV	8660	345724	5.66%	0.569%
309	19.783	19.758	19.810	VV	8938	256379	4.20%	0.422%
310	19.845	19.810	19.890	VV	13274	456538	7.48%	0.751%
311	19.923	19.890	19.943	VV	12693	344671	5.64%	0.567%
312	19.966	19.943	19.982	VV	12091	268946	4.40%	0.442%
313	20.003	19.982	20.014	VV	11513	218650	3.58%	0.360%
314	20.059	20.014	20.096	VV	14497	650245	10.65%	1.070%
315	20.132	20.096	20.151	VV	16380	496944	8.14%	0.818%
316	20.222	20.151	20.262	VV	21281	1130117	18.51%	1.859%

					rterres			
317	20.277	20.262	20.293	VV	16161	295613	4.84%	0.486%
318	20.311	20.293	20.323	VV	16514	288244	4.72%	0.474%
319	20.352	20.323	20.367	VV	19428	468185	7.67%	0.770%
320	20.391	20.367	20.400	VV	19211	365069	5.98%	0.601%
321	20.494	20.400	20.528	VV	24873	1721516	28.19%	2.832%
322	20.534	20.528	20.544	VV	21828	216785	3.55%	0.357%
323	20.591	20.544	20.628	VV	24905	1152742	18.88%	1.896%
324	20.706	20.628	20.714	VV	24791	1221334	20.00%	2.009%
325	20.760	20.714	20.818	VV	30247	1636616	26.80%	2.692%
326	20.824	20.818	20.838	VV	24629	292549	4.79%	0.481%
327	20.863	20.838	20.898	VV	25531	881555	14.44%	1.450%
328	20.917	20.898	20.925	VV	23903	393614	6.45%	0.648%
329	20.957	20.925	21.008	VV	24608	1146754	18.78%	1.887%
330	21.018	21.008	21.030	VV	22434	297938	4.88%	0.490%
331	21.042	21.030	21.051	VV	22508	279385	4.58%	0.460%
332	21.070	21.051	21.087	VV	22653	488060	7.99%	0.803%
333	21.103	21.087	21.124	VV	22951	485797	7.96%	0.799%
334	21.141	21.124	21.168	VV	20555	522061	8.55%	0.859%
335	21.296	21.168	21.306	VV	23017	1762459	28.86%	2.899%
336	21.316	21.306	21.327	VV	22437	285557	4.68%	0.470%
337	21.353	21.327	21.381	VV	23379	700560	11.47%	1.152%
338	21.391	21.381	21.419	VV	20763	454310	7.44%	0.747%
339	21.430	21.419	21.462	VV	19500	474653	7.77%	0.781%
340	21.475	21.462	21.544	VV	17360	744862	12.20%	1.225%
341	21.554	21.544	21.581	VV	12271	259103	4.24%	0.426%
342	21.621	21.581	21.631	VV	12836	368642	6.04%	0.606%
343	21.708	21.631	21.722	VV	13323	705036	11.55%	1.160%
344	21.744	21.722	21.759	VV	12738	269038	4.41%	0.443%
345	21.785	21.759	21.851	VV	12222	625808	10.25%	1.030%
346	21.855	21.851	21.868	VV	10635	103404	1.69%	0.170%
347	21.873	21.868	21.934	VV	10448	364416	5.97%	0.599%
348	21.952	21.934	21.978	VV	8622	204826	3.35%	0.337%
349	21.987	21.978	22.014	VV	7783	155938	2.55%	0.257%
350	22.031	22.014	22.112	VV	6677	297387	4.87%	0.489%
351	22.172	22.112	22.188	VV	4717	169145	2.77%	0.278%
352	22.195	22.188	22.214	VV	4057	56647	0.93%	0.093%
353	22.236	22.214	22.294	VV	3868	112817	1.85%	0.186%
354	22.333	22.294	22.357	PV	2230	48619	0.80%	0.080%
355	22.389	22.357	22.397	VV	2281	46831	0.77%	0.077%
356	22.414	22.397	22.428	VV	2557	36455	0.60%	0.060%
357	22.442	22.428	22.488	VV	1725	35480	0.58%	0.058%
					Sum of corrected areas:		60787357	

Aliphatic EPH 092425.M Sat Oct 04 07:05:30 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
 Data File : FE056164.D
 Signal(s) : FID1B.ch
 Acq On : 03 Oct 2025 14:15
 Operator : YP\AJ
 Sample : PB169970BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 FID_E
 ClientSampleId :
 PB169970BL

A
B
C
D
E
F
G
H
I
J

Integration File: autoint1.e
 Quant Time: Oct 03 23:12:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Quant Title : GC Extractables
 QLast Update : Wed Sep 24 12:55:37 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.070	7647792	40.755 ug/ml
Spiked Amount 50.000		Recovery =	81.51%
12) S 1-chlorooctadecane (S...	13.507	5791001	41.493 ug/ml
Spiked Amount 50.000		Recovery =	82.99%

Target Compounds

(f)=RT Delta > 1/2 Window

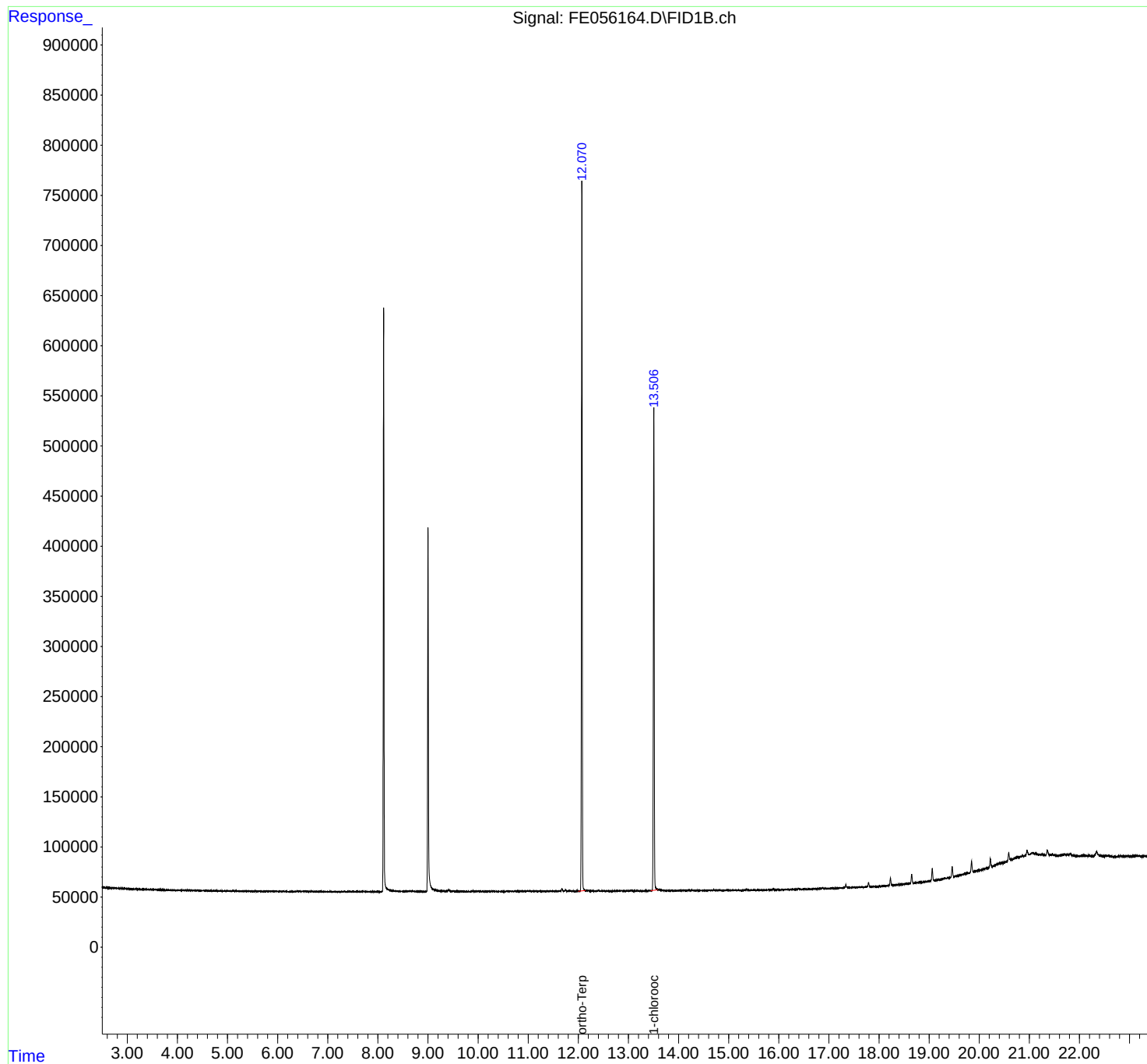
(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
Data File : FE056164.D
Signal(s) : FID1B.ch
Acq On : 03 Oct 2025 14:15
Operator : YP\AJ
Sample : PB169970BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
FID_E
ClientSampleId :
PB169970BL

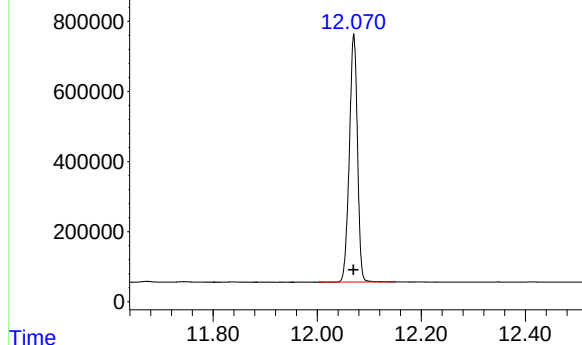
Integration File: autoint1.e
Quant Time: Oct 03 23:12:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
Quant Title : GC Extractables
QLast Update : Wed Sep 24 12:55:37 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 ul
Signal Phase : Rxi-1ms
Signal Info : 20M x 0.18mm x 0.18um



Signal: FE056164.D\FID1B.ch

#9 ortho-Terphenyl (SURR)

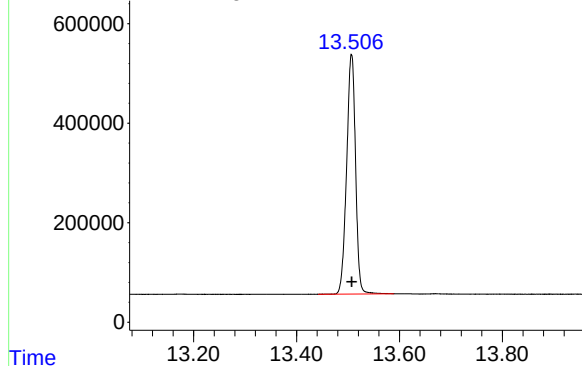


R.T.: 12.070 min
Delta R.T.: 0.000 min
Response: 7647792
Conc: 40.76 ug/ml

Instrument :
FID_E
ClientSampleId :
PB169970BL

Signal: FE056164.D\FID1B.ch

#12 1-chlorooctadecane (SURR)



R.T.: 13.507 min
Delta R.T.: 0.000 min
Response: 5791001
Conc: 41.49 ug/ml

rteres

Area Percent Report

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
 Data File : FE056164.D
 Signal(s) : FID1B.ch
 Acq On : 03 Oct 2025 14:15
 Sample : PB169970BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M
 Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	12.070	12.002	12.147	BB	707123	7647792	100.00%	56.908%
2	13.507	13.442	13.589	BB	481803	5791001	75.72%	43.092%
Sum of corrected areas:						13438793		

Aliphatic EPH 092425.M Sat Oct 04 00:10:42 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
 Data File : FE056165.D
 Signal(s) : FID1B.ch
 Acq On : 03 Oct 2025 14:45
 Operator : YP\AJ
 Sample : PB169970BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB169970BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: autoint1.e

Quant Time: Oct 03 23:12:38 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Quant Title : GC Extractables

Qlast Update : Wed Sep 24 12:55:37 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.073	8604608	45.854 ug/ml
Spiked Amount 50.000		Recovery =	91.71%
12) S 1-chlorooctadecane (S...	13.507	6796985	48.701 ug/ml
Spiked Amount 50.000		Recovery =	97.40%
Target Compounds			
1) T n-Nonane (C9)	3.418	5585813	40.775 ug/ml
2) T n-Decane (C10)	4.674	6051551	43.361 ug/ml
3) T A~Naphthalene (C11.7)	6.390	7901417	49.488 ug/ml
4) T n-Dodecane (C12)	6.846	6790517	47.311 ug/ml
5) T A~2-methylnaphthalene...	7.491	7756970	49.878 ug/ml
6) T n-Tetradecane (C14)	8.683	7525710	50.903 ug/ml
7) T n-Hexadecane (C16)	10.296	8438841	53.105 ug/ml
8) T n-Octadecane (C18)	11.746	9044384	53.396 ug/ml
10) T n-Eicosane (C20)	13.061	9625614	58.068 ug/ml
11) T n-Heneicosane (C21)	13.675	9194213	56.583 ug/ml
13) T n-Docosane (C22)	14.263	8996868	56.304 ug/ml
14) T n-Tetracosane (C24)	15.370	16920750	111.043 ug/ml
15) T n-Hexacosane (C26)	16.393	7920008	55.528 ug/ml
16) T n-Octacosane (C28)	17.343	7777505	55.830 ug/mlm
17) T n-Tricontane (C30)	18.234	7664636	51.725 ug/ml
18) T n-Dotriacontane (C32)	19.067	7716446	51.719 ug/ml
19) T n-Tetratriacontane (C34)	19.852	8112246	57.350 ug/ml
20) T n-Hexatriacontane (C36)	20.595	8380238	65.281 ug/ml
21) T n-Octatriacontane (C38)	21.369	8666850	65.987 ug/ml
22) T n-Tetracontane (C40)	22.351	8092882	68.026 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
Data File : FE056165.D
Signal(s) : FID1B.ch
Acq On : 03 Oct 2025 14:45
Operator : YP\AJ
Sample : PB169970BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB169970BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: autoint1.e

Quant Time: Oct 03 23:12:38 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Quant Title : GC Extractables

QLast Update : Wed Sep 24 12:55:37 2025

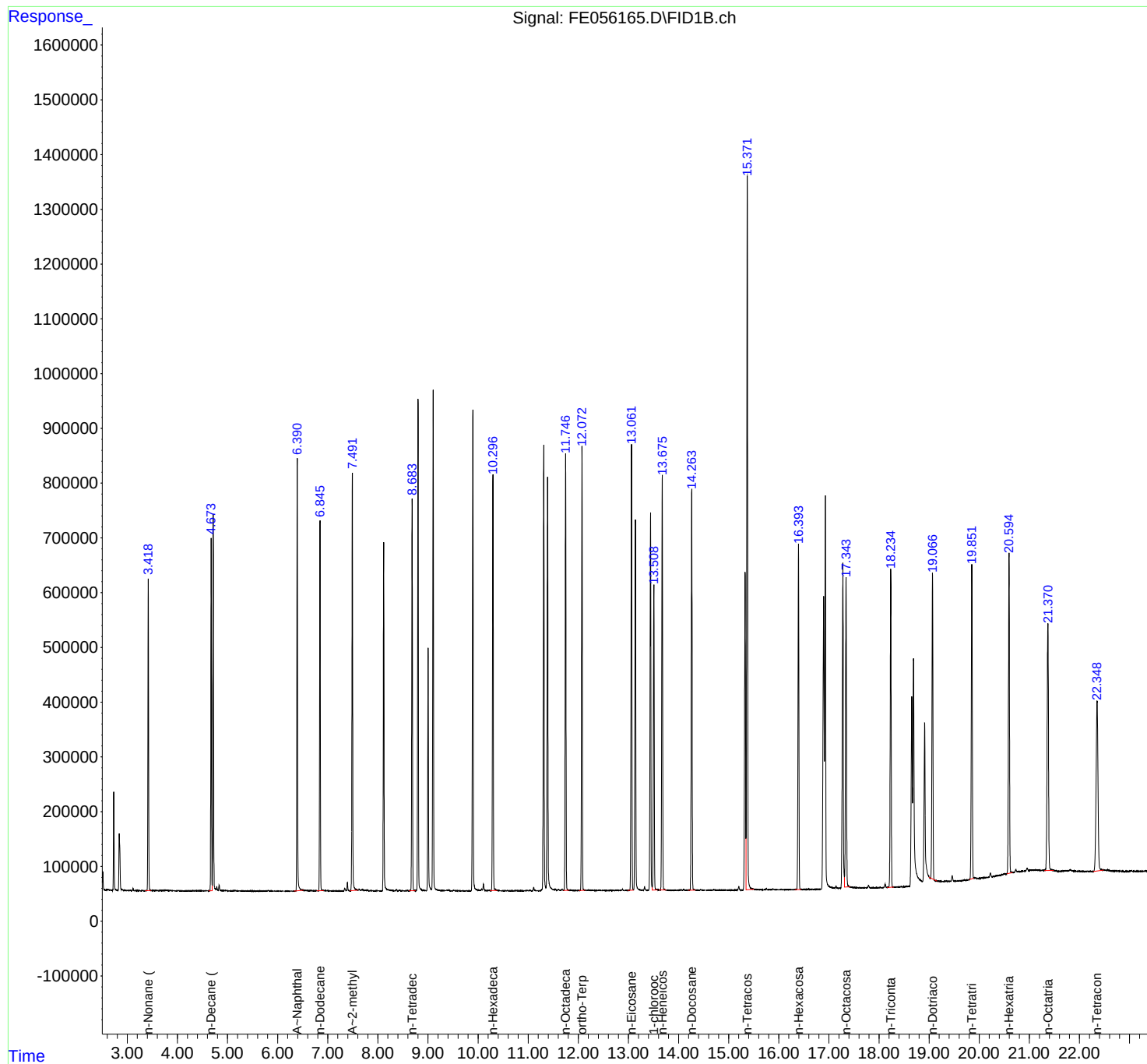
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_E

ClientSampleId :

PB169970BS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE

Data File : FE056165.D

Signal(s) : FID1B.ch

Acq On : 03 Oct 2025 14:45

Sample : PB169970BS

Misc :

ALS Vial : 12 Sample Multiplier: 1

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.418	3.359	3.477	BB	570099	5585813	33.01%	1.843%
2	4.674	4.620	4.693	BV	645197	6051551	35.76%	1.997%
3	4.714	4.693	4.767	VV	687283	6718582	39.71%	2.217%
4	6.390	6.329	6.512	BB	790026	7901417	46.70%	2.607%
5	6.846	6.780	6.920	BB	677506	6790517	40.13%	2.240%
6	7.491	7.439	7.600	BB	760624	7756970	45.84%	2.559%
7	8.683	8.624	8.754	BB	718038	7525710	44.48%	2.483%
8	8.801	8.760	8.899	BB	900335	9249128	54.66%	3.052%
9	9.103	9.069	9.202	VB	917870	9414088	55.64%	3.106%
10	9.895	9.832	10.010	BB	879702	9534162	56.35%	3.146%
11	10.296	10.239	10.382	BB	759534	8438841	49.87%	2.784%
12	11.310	11.234	11.353	BV	816476	8914442	52.68%	2.941%
13	11.386	11.353	11.470	VBA	754085	8687241	51.34%	2.866%
14	11.746	11.705	11.819	BB	793563	9044384	53.45%	2.984%
15	12.073	12.010	12.140	BB	806884	8604608	50.85%	2.839%
16	13.061	12.990	13.100	BV	808648	9625614	56.89%	3.176%
17	13.139	13.100	13.230	VBA	673058	8194043	48.43%	2.704%
18	13.441	13.374	13.474	BV	682789	8136878	48.09%	2.685%
19	13.507	13.474	13.582	VB	557282	6796985	40.17%	2.243%
20	13.675	13.609	13.754	BB	760989	9194213	54.34%	3.033%
21	14.263	14.192	14.337	BB	733891	8996868	53.17%	2.968%
22	15.327	15.260	15.345	BV	579915	7752127	45.81%	2.558%
23	15.370	15.345	15.504	VB	1301401	16920750	100.00%	5.583%
24	16.393	16.322	16.449	BB	631003	7920008	46.81%	2.613%
25	16.896	16.824	16.911	BV	533201	8466153	50.03%	2.793%
26	16.930	16.911	17.065	VB	716850	9004846	53.22%	2.971%
27	17.279	17.234	17.308	M	594587	8119661	47.99%	2.679%
28	17.343	17.310	17.419	M	568143	7905958	46.72%	2.608%
29	18.234	18.160	18.295	BB	579143	7664636	45.30%	2.529%
30	18.653	18.580	18.668	BV	344425	5099693	30.14%	1.683%
31	18.688	18.668	18.869	VV	413174	7467268	44.13%	2.464%

					rtres				
32	18.911	18.869	19.000	PBA	287656	4638236	27.41%	1.530%	
33	19.067	19.000	19.159	BB	558170	771644			
34	19.852	19.800	19.890	BB	570328	811224			
35	20.595	20.550	20.664	BB	584235	838023			
36	21.369	21.300	21.482	BB	447262	866685			
37	22.351	22.272	22.484	BB	307919	809288	47.83%	2.670%	
Sum of corrected areas:						303090053			

Instrument :

FID_E

ClientSampleId :

PB169970BS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Aliphatic EPH 092425.M Sat Oct 04 00:13:56 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
 Data File : FE056166.D
 Signal(s) : FID1B.ch
 Acq On : 03 Oct 2025 15:15
 Operator : YP\AJ
 Sample : PB169970BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB169970BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: autoint1.e

Quant Time: Oct 03 23:13:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Quant Title : GC Extractables

Qlast Update : Wed Sep 24 12:55:37 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.072	8478477	45.182 ug/ml
Spiked Amount 50.000		Recovery =	90.36%
12) S 1-chlorooctadecane (S...	13.507	6724146	48.179 ug/ml
Spiked Amount 50.000		Recovery =	96.36%
Target Compounds			
1) T n-Nonane (C9)	3.417	5295726	38.657 ug/ml
2) T n-Decane (C10)	4.673	5784914	41.450 ug/ml
3) T A~Naphthalene (C11.7)	6.390	7647933	47.900 ug/ml
4) T n-Dodecane (C12)	6.845	6564780	45.739 ug/ml
5) T A~2-methylnaphthalene...	7.490	7553612	48.570 ug/ml
6) T n-Tetradecane (C14)	8.683	7318146	49.499 ug/ml
7) T n-Hexadecane (C16)	10.296	8237662	51.839 ug/ml
8) T n-Octadecane (C18)	11.746	8854025	52.272 ug/ml
10) T n-Eicosane (C20)	13.060	9458021	57.057 ug/ml
11) T n-Heneicosane (C21)	13.674	9061061	55.763 ug/ml
13) T n-Docosane (C22)	14.262	8874445	55.538 ug/ml
14) T n-Tetracosane (C24)	15.371	16839671	110.510 ug/ml
15) T n-Hexacosane (C26)	16.393	7857831	55.092 ug/ml
16) T n-Octacosane (C28)	17.343	7699407	55.270 ug/mlm
17) T n-Tricontane (C30)	18.235	7643909	51.585 ug/ml
18) T n-Dotriacontane (C32)	19.067	7700306	51.611 ug/ml
19) T n-Tetratriacontane (C34)	19.852	8050837	56.916 ug/ml
20) T n-Hexatriacontane (C36)	20.594	8325719	64.857 ug/ml
21) T n-Octatriacontane (C38)	21.369	8648301	65.845 ug/ml
22) T n-Tetracontane (C40)	22.352	8235299	69.223 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
Data File : FE056166.D
Signal(s) : FID1B.ch
Acq On : 03 Oct 2025 15:15
Operator : YP\AJ
Sample : PB169970BSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

PB169970BSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: autoint1.e

Quant Time: Oct 03 23:13:08 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Quant Title : GC Extractables

QLast Update : Wed Sep 24 12:55:37 2025

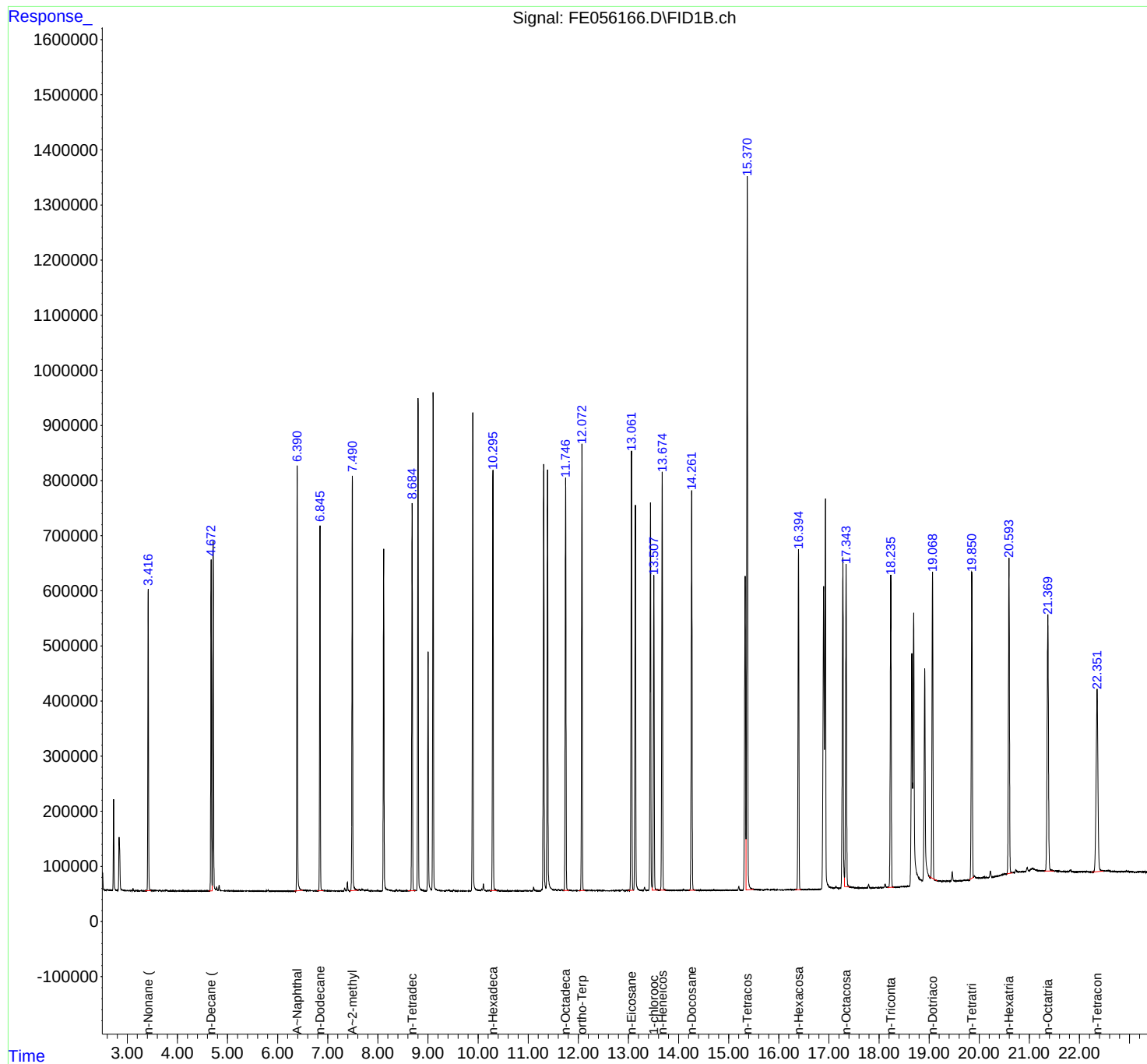
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_E

ClientSampleId :

PB169970BSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE

Data File : FE056166.D

Signal(s) : FID1B.ch

Acq On : 03 Oct 2025 15:15

Sample : PB169970BSD

Misc :

ALS Vial : 13 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: autoint1.e

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	3.417	3.359	3.474	BB	546702	5295726	31.45%	1.746%
2	4.673	4.620	4.693	BV	601030	5784914	34.35%	1.907%
3	4.713	4.693	4.769	VV	634784	6441548	38.25%	2.124%
4	6.390	6.329	6.505	BB	774159	7647933	45.42%	2.522%
5	6.845	6.785	6.915	BB	663115	6564780	38.98%	2.165%
6	7.490	7.439	7.604	BB	751907	7553612	44.86%	2.491%
7	8.683	8.600	8.754	BB	702338	7318146	43.46%	2.413%
8	8.801	8.755	8.900	BB	893147	9043839	53.71%	2.982%
9	9.102	9.069	9.207	VB	901352	9211246	54.70%	3.037%
10	9.895	9.829	9.999	BB	865888	9357760	55.57%	3.085%
11	10.296	10.235	10.375	BB	761822	8237662	48.92%	2.716%
12	11.309	11.222	11.354	BV	772142	8838564	52.49%	2.914%
13	11.385	11.354	11.470	VBA	762083	8643880	51.33%	2.850%
14	11.746	11.700	11.819	BB	752115	8854025	52.58%	2.919%
15	12.072	12.009	12.134	BB	810136	8478477	50.35%	2.796%
16	13.060	12.990	13.102	BV	794344	9458021	56.17%	3.118%
17	13.139	13.102	13.230	VBA	696248	8134803	48.31%	2.682%
18	13.440	13.372	13.473	BV	701753	8073919	47.95%	2.662%
19	13.507	13.473	13.585	VB	570600	6724146	39.93%	2.217%
20	13.674	13.614	13.750	BB	757189	9061061	53.81%	2.988%
21	14.262	14.202	14.337	BB	724085	8874445	52.70%	2.926%
22	15.328	15.260	15.346	BV	569305	7844495	46.58%	2.586%
23	15.371	15.346	15.495	VB	1289045	16839671	100.00%	5.552%
24	16.393	16.322	16.447	BB	616524	7857831	46.66%	2.591%
25	16.895	16.822	16.911	BV	543782	8548413	50.76%	2.819%
26	16.931	16.911	17.040	VB	703389	8938576	53.08%	2.947%
27	17.279	17.235	17.312	M	600027	8321382	49.42%	2.744%
28	17.343	17.312	17.419	M	587371	7772345	46.15%	2.563%
29	18.235	18.169	18.300	BB	567731	7643909	45.39%	2.520%
30	18.654	18.580	18.671	BV	419233	6402196	38.02%	2.111%
31	18.691	18.671	18.857	VV	486975	8523527	50.62%	2.810%

	Area	Height	Retention Time	Integration	Area%	Height%
32	18.912	18.857	19.000	PBA	381229	6036691
33	19.067	19.000	19.162	BB	552621	770036
34	19.852	19.800	19.887	BV	554576	805083
35	20.594	20.550	20.664	BB	571416	832571
36	21.369	21.300	21.494	BB	463619	864836
37	22.352	22.250	22.482	BB	329304	8235299
Sum of corrected areas:					303288005	

Instrument :

FID_E

ClientSampleId :

PB169970BSD

35.85% 1.990%

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Aliphatic EPH 092425.M Sat Oct 04 00:15:28 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
 Data File : FE056170.D
 Signal(s) : FID1B.ch
 Acq On : 03 Oct 2025 17:17
 Operator : YP\AJ
 Sample : Q3262-08MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

279887MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: autoint1.e

Quant Time: Oct 03 23:15:00 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Quant Title : GC Extractables

Qlast Update : Wed Sep 24 12:55:37 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.066	4289162	22.857 ug/mlm
Spiked Amount 50.000		Recovery =	45.71%
12) S 1-chlorooctadecane (S...	13.491	3137165	22.478 ug/ml
Spiked Amount 50.000		Recovery =	44.96%
Target Compounds			
1) T n-Nonane (C9)	3.411	4615436	33.691 ug/ml
2) T n-Decane (C10)	4.671	5710714	40.918 ug/ml
3) T A~Naphthalene (C11.7)	6.390	7958820	49.847 ug/ml
4) T n-Dodecane (C12)	6.846	7292071	50.806 ug/ml
5) T A~2-methylnaphthalene...	7.492	8742816	56.217 ug/ml
6) T n-Tetradecane (C14)	8.691	9688811	65.534 ug/ml
7) T n-Hexadecane (C16)	10.293	87999	0.554 ug/mlm
8) T n-Octadecane (C18)	11.751	3894023	22.989 ug/ml
10) T n-Eicosane (C20)	13.046	18849315	113.711 ug/ml
11) T n-Heneicosane (C21)	13.676	37973571	233.697 ug/ml
13) T n-Docosane (C22)	14.261	16603639	103.908 ug/ml
14) T n-Tetracosane (C24)	15.408	16290938	106.909 ug/ml
15) T n-Hexacosane (C26)	16.406	7176599	50.316 ug/ml
16) T n-Octacosane (C28)	17.348	7185820	51.583 ug/ml
17) T n-Tricontane (C30)	18.237	7184820	48.487 ug/ml
18) T n-Dotriacontane (C32)	19.069	7406663	49.643 ug/ml
19) T n-Tetratriacontane (C34)	19.854	7622523	53.888 ug/ml
20) T n-Hexatriacontane (C36)	20.595	7590965	59.133 ug/ml
21) T n-Octatriacontane (C38)	21.370	7814305	59.496 ug/ml
22) T n-Tetracontane (C40)	22.354	7459488	62.702 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
Data File : FE056170.D
Signal(s) : FID1B.ch
Acq On : 03 Oct 2025 17:17
Operator : YP\AJ
Sample : Q3262-08MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

279887MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: autoint1.e

Quant Time: Oct 03 23:15:00 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Quant Title : GC Extractables

QLast Update : Wed Sep 24 12:55:37 2025

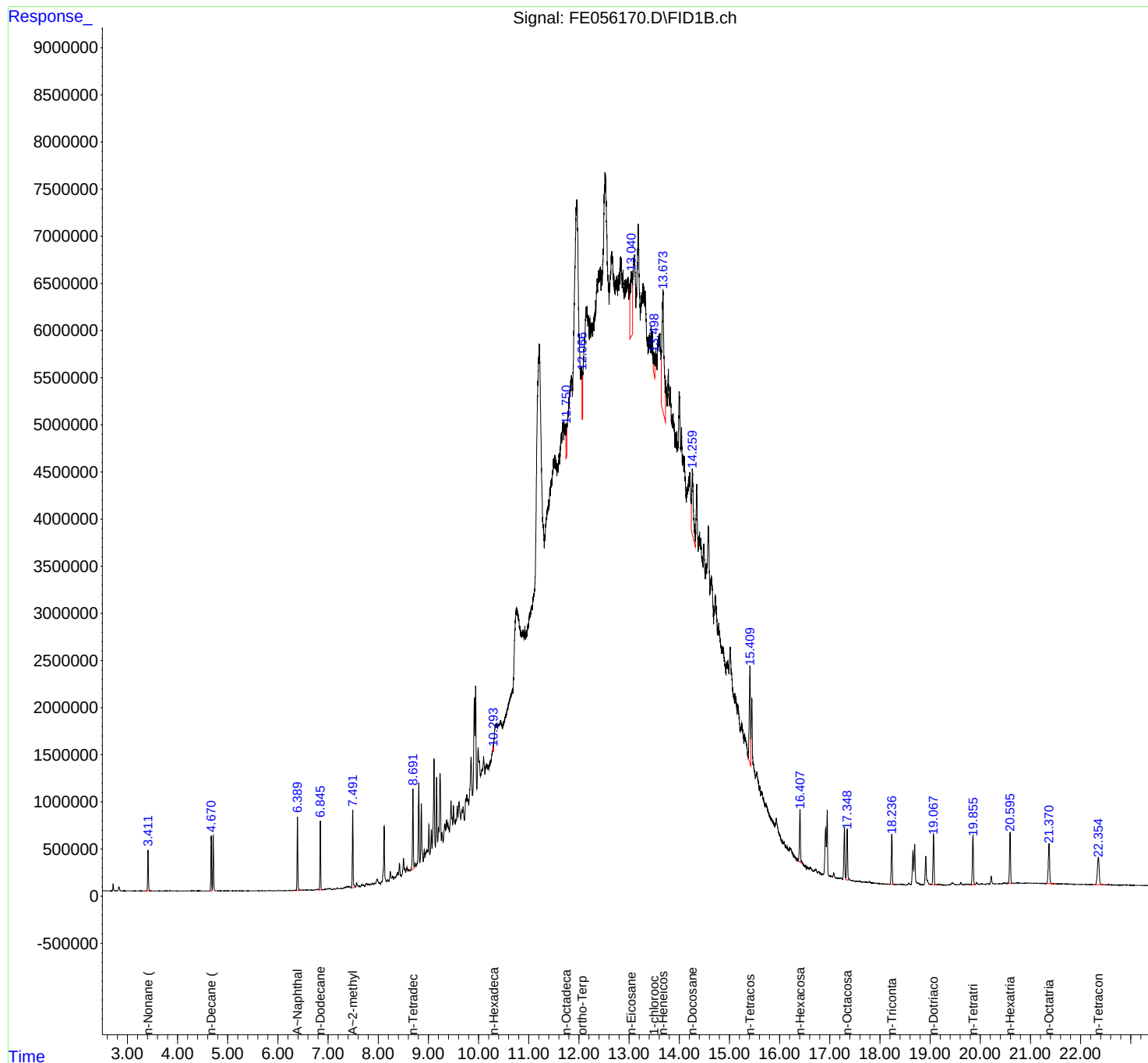
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_E

ClientSampleId :

279887MS

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE

Data File : FE056170.D

Signal(s) : FID1B.ch

Acq On : 03 Oct 2025 17:17

Sample : Q3262-08MS

Misc :

ALS Vial : 17 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.828	2.805	2.877	PH	-23156	-2166607	-0.27%	-0.014%
2	2.897	2.877	2.937	PV	-42267	-1158422	-0.14%	-0.008%
3	2.948	2.937	2.971	PV	225	2584	0.00%	0.000%
4	2.982	2.971	3.000	PV	144	2085	0.00%	0.000%
5	3.018	3.000	3.087	VV	1542	29884	0.00%	0.000%
6	3.106	3.087	3.126	PV	1753	17089	0.00%	0.000%
7	3.144	3.126	3.168	VV	778	10369	0.00%	0.000%
8	3.195	3.168	3.214	VV	305	4812	0.00%	0.000%
9	3.239	3.214	3.247	VV	466	4574	0.00%	0.000%
10	3.276	3.247	3.363	VV	809	23100	0.00%	0.000%
11	3.411	3.363	3.524	PV	436397	4644276	0.58%	0.031%
12	3.556	3.524	3.575	VV	519	11243	0.00%	0.000%
13	3.590	3.575	3.610	VV	312	5229	0.00%	0.000%
14	3.639	3.610	3.683	VV	1129	23841	0.00%	0.000%
15	3.732	3.683	3.746	VV	743	19413	0.00%	0.000%
16	3.766	3.746	3.823	VV	1461	35108	0.00%	0.000%
17	3.855	3.823	3.870	VV	3241	45771	0.01%	0.000%
18	3.882	3.870	3.921	VV	2828	31744	0.00%	0.000%
19	3.944	3.921	3.981	VV	1327	25077	0.00%	0.000%
20	3.999	3.981	4.048	VV	2269	31001	0.00%	0.000%
21	4.060	4.048	4.081	VV	336	4806	0.00%	0.000%
22	4.112	4.081	4.165	VV	488	14583	0.00%	0.000%
23	4.209	4.165	4.222	PV	1159	17588	0.00%	0.000%
24	4.252	4.222	4.285	VV	1189	34560	0.00%	0.000%
25	4.302	4.285	4.348	VV	1170	24836	0.00%	0.000%
26	4.395	4.348	4.424	VV	1234	28646	0.00%	0.000%
27	4.438	4.424	4.535	VV	1224	31195	0.00%	0.000%
28	4.565	4.535	4.588	PV	305	4924	0.00%	0.000%
29	4.610	4.588	4.636	VV	400	5994	0.00%	0.000%
30	4.671	4.636	4.691	PV	586418	5718594	0.71%	0.038%
31	4.711	4.691	4.814	VV	588717	6173838	0.77%	0.041%

32	4.832	4.814	4.855	VV	1053	18058	0.00%	0.000%
33	4.886	4.855	4.930	VV	931	3076	0.00%	0.000%
34	4.953	4.930	4.971	VV	1731	2501	0.00%	0.000%
35	4.982	4.971	4.999	VV	843	1003	0.00%	0.000%
36	5.039	4.999	5.050	VV	706	1595	0.00%	0.000%
37	5.076	5.050	5.102	VV	1131	23042	0.00%	0.000%
38	5.143	5.102	5.165	VV	1576	31430	0.00%	0.000%
39	5.190	5.165	5.206	VV	859	13504	0.00%	0.000%
40	5.215	5.206	5.238	VV	515	7433	0.00%	0.000%
41	5.251	5.238	5.275	VV	811	8278	0.00%	0.000%
42	5.291	5.275	5.307	PV	388	3435	0.00%	0.000%
43	5.327	5.307	5.365	VV	1126	21454	0.00%	0.000%
44	5.379	5.365	5.405	VV	895	11562	0.00%	0.000%
45	5.428	5.405	5.444	PV	636	8181	0.00%	0.000%
46	5.460	5.444	5.473	VV	1409	14133	0.00%	0.000%
47	5.489	5.473	5.534	VV	1382	28492	0.00%	0.000%
48	5.552	5.534	5.573	VV	327	5026	0.00%	0.000%
49	5.617	5.573	5.640	PV	1284	22982	0.00%	0.000%
50	5.655	5.640	5.668	VV	922	10899	0.00%	0.000%
51	5.686	5.668	5.706	VV	2821	30384	0.00%	0.000%
52	5.732	5.706	5.775	VV	1183	22988	0.00%	0.000%
53	5.831	5.775	5.851	PV	3890	78770	0.01%	0.001%
54	5.868	5.851	5.904	VV	2513	34409	0.00%	0.000%
55	5.929	5.904	5.977	VV	1283	28230	0.00%	0.000%
56	6.001	5.977	6.032	VV	6891	89426	0.01%	0.001%
57	6.062	6.032	6.096	VV	1699	37323	0.00%	0.000%
58	6.124	6.096	6.165	PV	2331	53736	0.01%	0.000%
59	6.199	6.165	6.213	VV	1425	24367	0.00%	0.000%
60	6.247	6.213	6.270	VV	2998	62982	0.01%	0.000%
61	6.294	6.270	6.316	VV	2686	46914	0.01%	0.000%
62	6.351	6.316	6.363	VV	7811	112566	0.01%	0.001%
63	6.390	6.363	6.473	VV	783494	8094609	1.01%	0.053%
64	6.493	6.473	6.516	VV	9991	172836	0.02%	0.001%
65	6.541	6.516	6.559	VV	8375	156132	0.02%	0.001%
66	6.585	6.559	6.605	VV	8212	189872	0.02%	0.001%
67	6.641	6.605	6.659	VV	9230	221906	0.03%	0.001%
68	6.674	6.659	6.694	VV	6720	117732	0.01%	0.001%
69	6.717	6.694	6.733	VV	8034	146999	0.02%	0.001%
70	6.764	6.733	6.780	VV	12085	250284	0.03%	0.002%
71	6.796	6.780	6.812	VV	15431	229109	0.03%	0.002%
72	6.846	6.812	6.876	VV	733974	7542619	0.94%	0.050%
73	6.896	6.876	6.911	VV	11309	205780	0.03%	0.001%
74	6.939	6.911	6.968	VV	17455	423932	0.05%	0.003%
75	7.000	6.968	7.014	VV	22831	475560	0.06%	0.003%
76	7.043	7.014	7.065	VV	22337	529786	0.07%	0.003%
77	7.076	7.065	7.095	VV	12081	195708	0.02%	0.001%
78	7.118	7.095	7.143	VV	21017	450901	0.06%	0.003%
79	7.181	7.143	7.207	VV	28043	753661	0.09%	0.005%

Instrument :

FID_E

ClientSampleId :

279887MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Instrument : FID_E ClientSampleId : 279887MS							
80	7.222	7.207	7.233	VV	19783	288313	0.04% 0.002%
81	7.257	7.233	7.278	VV	24438	57084	Manual IntegrationsAPPROVED Reviewed By :Yogesh Patel 10/06/2025 Supervised By :mohammad ahmed 10/06/2025
82	7.324	7.278	7.341	VV	33810	93825	
83	7.361	7.341	7.373	VV	38467	64049	
84	7.390	7.373	7.405	VV	44845	72673	
85	7.423	7.405	7.446	VV	44413	919993	
86	7.492	7.446	7.545	VV	852289	10392951	1.30% 0.0068%
87	7.569	7.545	7.612	VV	81632	2124387	0.27% 0.014%
88	7.625	7.612	7.640	VV	47925	696025	0.09% 0.005%
89	7.672	7.640	7.688	VV	66413	1480200	0.19% 0.010%
90	7.701	7.688	7.732	VV	55490	1315203	0.16% 0.009%
91	7.761	7.732	7.772	VV	70467	1459496	0.18% 0.010%
92	7.777	7.772	7.794	VV	67550	834534	0.10% 0.005%
93	7.810	7.794	7.827	VV	66772	1199217	0.15% 0.008%
94	7.846	7.827	7.860	VV	66416	1223886	0.15% 0.008%
95	7.889	7.860	7.902	VV	71002	1688571	0.21% 0.011%
96	7.932	7.902	7.943	VV	74436	1681292	0.21% 0.011%
97	7.978	7.943	8.012	VV	117792	3875939	0.48% 0.025%
98	8.025	8.012	8.045	VV	78409	1469734	0.18% 0.010%
99	8.064	8.045	8.074	VV	94072	1409202	0.18% 0.009%
100	8.117	8.074	8.170	VV	675710	12420314	1.55% 0.082%
101	8.189	8.170	8.210	VV	111580	2428389	0.30% 0.016%
102	8.241	8.210	8.265	VV	194738	4649979	0.58% 0.031%
103	8.288	8.265	8.306	VV	149013	3318317	0.41% 0.022%
104	8.324	8.306	8.337	VV	140472	2423502	0.30% 0.016%
105	8.384	8.337	8.401	VV	187325	6064287	0.76% 0.040%
106	8.423	8.401	8.459	VV	284504	6883011	0.86% 0.045%
107	8.504	8.459	8.521	VV	334178	8384279	1.05% 0.055%
108	8.530	8.521	8.547	VV	230275	3246566	0.41% 0.021%
109	8.569	8.547	8.604	VV	238550	7476027	0.93% 0.049%
110	8.614	8.604	8.642	VV	211116	4673599	0.58% 0.031%
111	8.691	8.642	8.717	VV	1071669	19566011	2.45% 0.129%
112	8.733	8.717	8.749	VV	282475	5101975	0.64% 0.034%
113	8.807	8.749	8.830	VV	1142422	22347452	2.79% 0.147%
114	8.858	8.830	8.897	VV	915941	19889323	2.49% 0.131%
115	8.916	8.897	8.932	VV	425922	7735286	0.97% 0.051%
116	8.967	8.932	8.991	VV	422122	14308411	1.79% 0.094%
117	9.009	8.991	9.029	VV	689289	11522267	1.44% 0.076%
118	9.058	9.029	9.073	VV	638629	13144414	1.64% 0.086%
119	9.111	9.073	9.137	VV	1386471	30015360	3.75% 0.197%
120	9.162	9.137	9.184	VV	1190928	21203862	2.65% 0.139%
121	9.232	9.184	9.258	VV	1234880	34905201	4.36% 0.229%
122	9.272	9.258	9.293	VV	609575	11831815	1.48% 0.078%
123	9.324	9.293	9.342	VV	684122	18298620	2.29% 0.120%
124	9.360	9.342	9.374	VV	732893	13516795	1.69% 0.089%
125	9.386	9.374	9.417	VV	711154	17241920	2.16% 0.113%
126	9.450	9.417	9.483	VV	941082	30107917	3.76% 0.198%

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127	9.499	9.483	9.534	VV	890925	23196222	2.90%	0.152%	
128	9.574	9.534	9.588	VV	881529	2517342			
129	9.606	9.588	9.645	VV	913425	2885485			
130	9.668	9.645	9.679	VV	839081	1641125			
131	9.692	9.679	9.717	VV	872654	1860131			
132	9.765	9.717	9.803	VV	1004754	47996801	6.00%	0.315%	
133	9.850	9.803	9.879	VV	1402579	51235838	6.41%	0.337%	
134	9.915	9.879	9.927	VV	2026268	43339452	5.42%	0.285%	
135	9.941	9.927	9.965	VV	2160312	37094653	4.64%	0.244%	
136	9.991	9.965	10.037	VV	1500240	57223049	7.15%	0.376%	
137	10.100	10.037	10.126	VV	1404269	68351908	8.55%	0.449%	
138	10.163	10.126	10.177	VV	1331410	39451218	4.93%	0.259%	
139	10.186	10.177	10.203	VV	1312073	20399987	2.55%	0.134%	
140	10.235	10.203	10.243	VV	1367622	31880807	3.99%	0.209%	
141	10.358	10.243	10.379	VV	1757350	129999887	16.25%	0.854%	
142	10.435	10.379	10.478	VV	1784368	104065514	13.01%	0.684%	
143	10.748	10.478	10.855	VV	2959668	517587995	64.71%	3.400%	
144	10.882	10.855	10.904	VV	2737495	80499094	10.06%	0.529%	
145	10.922	10.904	10.936	VV	2755410	51066642	6.38%	0.335%	
146	10.952	10.936	10.961	VV	2735534	40368654	5.05%	0.265%	
147	11.208	10.961	11.308	VV	5775910	799820780	100.00%	5.253%	
148	11.494	11.308	11.506	VV	4539436	489415581	61.19%	3.215%	
149	11.521	11.506	11.562	VV	4584698	150756937	18.85%	0.990%	
150	11.573	11.562	11.584	VV	4472626	59466231	7.43%	0.391%	
151	11.678	11.584	11.698	VV	4917115	323127280	40.40%	2.122%	
152	11.727	11.698	11.737	VV	4927435	115637482	14.46%	0.760%	
153	11.853	11.737	11.871	VV	5415046	413642141	51.72%	2.717%	
154	11.960	11.871	12.059	VV	7237885	699749739	87.49%	4.596%	
155	12.158	12.059	12.208	VV	6146691	521879352	65.25%	3.428%	
156	12.218	12.208	12.231	VV	6023033	82618231	10.33%	0.543%	
157	12.264	12.231	12.274	VV	5991523	152198048	19.03%	1.000%	
158	12.363	12.274	12.370	VV	6424606	354276241	44.29%	2.327%	
159	12.430	12.370	12.440	VV	6584981	272477681	34.07%	1.790%	
160	12.519	12.440	12.615	VV	7576071	712399884	89.07%	4.679%	
161	12.659	12.615	12.719	VV	6709316	410342994	51.30%	2.695%	
162	12.746	12.719	12.771	VV	6453798	199934102	25.00%	1.313%	
163	12.786	12.771	12.795	VV	6474670	91188171	11.40%	0.599%	
164	12.829	12.795	12.875	VV	6673233	311550938	38.95%	2.046%	
165	12.880	12.875	12.901	VV	6507280	102292742	12.79%	0.672%	
166	12.980	12.901	12.995	VV	6456699	357155234	44.65%	2.346%	
167	13.002	12.995	13.015	VV	6394150	76017946	9.50%	0.499%	
168	13.042	13.015	13.066	VV	6532434	200258409	25.04%	1.315%	
169	13.107	13.066	13.147	VV	6712293	315923217	39.50%	2.075%	
170	13.183	13.147	13.222	VV	6964515	295450284	36.94%	1.941%	
171	13.272	13.222	13.389	VV	6396372	610457600	76.32%	4.010%	
172	13.396	13.389	13.483	VV	5857403	324224195	40.54%	2.130%	
173	13.492	13.483	13.515	VV	5657566	107836571	13.48%	0.708%	
174	13.533	13.515	13.561	VV	5711253	155862674	19.49%	1.024%	

Instrument :

FID_E

ClientSampleId :

279887MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/06/2025
 Supervised By :mohammad ahmed 10/06/2025

								Instrument : FID_E	
								ClientSampleId : 279887MS	
175	13.595	13.561	13.638	VV	5853924	268315558	33.55%	1.762%	Manual IntegrationsAPPROVED
176	13.676	13.638	13.725	VV	6336475	29880362			
177	13.730	13.725	13.765	VV	5349876	12574112			
178	13.783	13.765	13.805	VV	5501005	12699125			
179	13.823	13.805	13.867	VV	5284626	19075964			
180	13.877	13.867	13.967	VV	5029385	286893221	35.87%	1.884%	Reviewed By :Yogesh Patel 10/06/2025 Supervised By :mohammad ahmed 10/06/2025
181	14.000	13.967	14.032	VV	5266910	192757750	24.10%	1.266%	
182	14.045	14.032	14.087	VV	4872187	153548555	19.20%	1.009%	
183	14.097	14.087	14.140	VV	4571613	138782785	17.35%	0.912%	
184	14.156	14.140	14.164	VV	4230704	60917633	7.62%	0.400%	
185	14.210	14.164	14.238	VV	4401691	187951461	23.50%	1.235%	
186	14.261	14.238	14.320	VV	4431789	200294526	25.04%	1.316%	
187	14.347	14.320	14.378	VV	4277305	136048868	17.01%	0.894%	
188	14.404	14.378	14.422	VV	3771814	98146720	12.27%	0.645%	
189	14.429	14.422	14.471	VV	3691558	103375782	12.92%	0.679%	
190	14.490	14.471	14.520	VV	3633539	103809452	12.98%	0.682%	
191	14.531	14.520	14.545	VV	3400046	49495793	6.19%	0.325%	
192	14.578	14.545	14.613	VV	3809674	143206078	17.90%	0.941%	
193	14.638	14.613	14.698	VV	3306456	158952195	19.87%	1.044%	
194	14.720	14.698	14.785	VV	3064839	150055359	18.76%	0.986%	
195	14.788	14.785	14.845	VV	2791274	94924967	11.87%	0.623%	
196	14.868	14.845	14.931	VV	2550076	127106142	15.89%	0.835%	
197	14.965	14.931	14.990	VV	2399511	82354146	10.30%	0.541%	
198	15.014	14.990	15.152	VV	2525765	209636122	26.21%	1.377%	
199	15.164	15.152	15.215	VV	1945292	69100653	8.64%	0.454%	
200	15.226	15.215	15.234	VV	1701917	19266271	2.41%	0.127%	
201	15.246	15.234	15.288	VV	1740551	54264949	6.78%	0.356%	
202	15.305	15.288	15.370	VV	1617235	75268317	9.41%	0.494%	
203	15.408	15.370	15.427	VV	2346431	61897107	7.74%	0.407%	
204	15.445	15.427	15.519	VV	1983211	80153501	10.02%	0.526%	
205	15.548	15.519	15.595	VV	1231311	52597468	6.58%	0.345%	
206	15.608	15.595	15.628	VV	1071974	20578019	2.57%	0.135%	
207	15.638	15.628	15.714	VV	1019854	48884568	6.11%	0.321%	
208	15.724	15.714	15.898	VV	888416	84753225	10.60%	0.557%	
209	15.934	15.898	16.053	VV	736073	56002970	7.00%	0.368%	
210	16.060	16.053	16.075	VV	490619	6300827	0.79%	0.041%	
211	16.085	16.075	16.148	VV	476598	19631279	2.45%	0.129%	
212	16.154	16.148	16.175	VV	426945	6721775	0.84%	0.044%	
213	16.211	16.175	16.371	VV	417155	41265824	5.16%	0.271%	
214	16.406	16.371	16.433	VV	835375	17204795	2.15%	0.113%	
215	16.440	16.433	16.587	VV	278304	21394850	2.67%	0.141%	
216	16.609	16.587	16.688	VV	212638	11572418	1.45%	0.076%	
217	16.722	16.688	16.757	VV	190431	7347924	0.92%	0.048%	
218	16.783	16.757	16.860	VV	168732	9234214	1.15%	0.061%	
219	16.917	16.860	16.932	VV	627462	14232707	1.78%	0.093%	
220	16.949	16.932	17.031	VV	800583	15497573	1.94%	0.102%	
221	17.041	17.031	17.057	VV	117086	1747612	0.22%	0.011%	

Instrument : FID_E									
ClientSampleId : 279887MS									
222	17.079	17.057	17.181	VV	155000	8196312	1.02%	0.054%	A
223	17.188	17.181	17.201	VV	96029	114125	Manual IntegrationsAPPROVED		
224	17.225	17.201	17.253	VV	102857	295452	Reviewed By :Yogesh Patel 10/06/2025 Supervised By :mohammad ahmed 10/06/2025		
225	17.293	17.253	17.318	VV	645690	1083346			
226	17.348	17.318	17.375	VV	616058	982262			
227	17.384	17.375	17.441	VV	91138	3136231	0.39%	0.021%	D
228	17.455	17.441	17.476	VV	70263	1428832	0.18%	0.009%	E
229	17.489	17.476	17.519	VV	65949	1637147	0.20%	0.011%	F
230	17.557	17.519	17.659	VV	63214	5014120	0.63%	0.033%	
231	17.676	17.659	17.702	VV	55414	1391159	0.17%	0.009%	G
232	17.715	17.702	17.767	VV	54925	2013006	0.25%	0.013%	
233	17.793	17.767	17.820	VV	58738	1639383	0.20%	0.011%	H
234	17.843	17.820	17.866	VV	45176	1214846	0.15%	0.008%	I
235	17.882	17.866	17.911	VV	46130	1143145	0.14%	0.008%	J
236	17.932	17.911	17.962	VV	41249	1219990	0.15%	0.008%	
237	17.976	17.962	18.001	VV	38662	854026	0.11%	0.006%	
238	18.021	18.001	18.064	VV	35863	1246080	0.16%	0.008%	
239	18.080	18.064	18.110	VV	32451	878474	0.11%	0.006%	
240	18.127	18.110	18.148	VV	32255	694179	0.09%	0.005%	
241	18.159	18.148	18.164	VV	30454	293733	0.04%	0.002%	
242	18.176	18.164	18.191	VV	31122	494877	0.06%	0.003%	
243	18.237	18.191	18.291	VV	563764	8764271	1.10%	0.058%	
244	18.321	18.291	18.347	VV	28986	878372	0.11%	0.006%	
245	18.370	18.347	18.381	VV	25712	500023	0.06%	0.003%	
246	18.399	18.381	18.411	VV	28527	500458	0.06%	0.003%	
247	18.427	18.411	18.454	VV	28907	674447	0.08%	0.004%	
248	18.477	18.454	18.525	VV	26518	974290	0.12%	0.006%	
249	18.573	18.525	18.618	VV	39687	1529120	0.19%	0.010%	
250	18.658	18.618	18.673	VV	377792	6065121	0.76%	0.040%	
251	18.692	18.673	18.871	VV	449207	9596140	1.20%	0.063%	
252	18.914	18.871	19.024	VV	326143	7197747	0.90%	0.047%	
253	19.069	19.024	19.145	VV	552112	8873960	1.11%	0.058%	
254	19.165	19.145	19.182	VV	26799	519931	0.07%	0.003%	
255	19.191	19.182	19.222	VV	23813	521546	0.07%	0.003%	
256	19.237	19.222	19.268	VV	20797	505248	0.06%	0.003%	
257	19.279	19.268	19.294	VV	16986	258622	0.03%	0.002%	
258	19.360	19.294	19.379	VV	20824	892501	0.11%	0.006%	
259	19.438	19.379	19.531	VV	39331	2314708	0.29%	0.015%	
260	19.563	19.531	19.587	VV	23214	698507	0.09%	0.005%	
261	19.612	19.587	19.654	VV	40570	1057991	0.13%	0.007%	
262	19.666	19.654	19.682	VV	20192	341756	0.04%	0.002%	
263	19.721	19.682	19.744	VV	26984	821747	0.10%	0.005%	
264	19.771	19.744	19.804	VV	26892	765813	0.10%	0.005%	
265	19.854	19.804	19.904	VV	534351	8708291	1.09%	0.057%	
266	19.927	19.904	19.995	VV	42529	1468941	0.18%	0.010%	
267	20.023	19.995	20.095	VV	31052	1478879	0.18%	0.010%	
268	20.151	20.095	20.185	VV	29521	1341678	0.17%	0.009%	
269	20.219	20.185	20.294	VV	107737	2905150	0.36%	0.019%	

						Instrument : FID_E ClientSampleId : 279887MS				
270	20.300	20.294	20.318	VV	26573	365919	0.05%	0.002%	A	
271	20.324	20.318	20.351	VV	26126	51611	Manual IntegrationsAPPROVED			B
272	20.365	20.351	20.421	VV	27033	108921	Reviewed By :Yogesh Patel 10/06/2025 Supervised By :mohammad ahmed 10/06/2025			C
273	20.488	20.421	20.525	VV	35296	190013				D
274	20.595	20.525	20.643	VV	567550	974451				E
275	20.668	20.643	20.689	VV	31650	867998				0.11%
276	20.734	20.689	20.748	VV	35877	1158299	0.14%	0.008%	G	
277	20.765	20.748	20.814	VV	37063	1322227	0.17%	0.009%	H	
278	20.833	20.814	20.899	VV	31306	1567192	0.20%	0.010%	I	
279	20.917	20.899	20.938	VV	31668	712786	0.09%	0.005%	J	
280	20.956	20.938	20.981	VV	34037	843808	0.11%	0.006%		
281	20.989	20.981	21.021	VV	33112	762861	0.10%	0.005%		
282	21.050	21.021	21.085	VV	30702	1146233	0.14%	0.008%		
283	21.088	21.085	21.102	VV	30541	314842	0.04%	0.002%		
284	21.122	21.102	21.148	VV	30652	820349	0.10%	0.005%		
285	21.158	21.148	21.187	VV	28763	660205	0.08%	0.004%		
286	21.202	21.187	21.254	VV	28084	1107164	0.14%	0.007%		
287	21.265	21.254	21.315	VV	27643	964355	0.12%	0.006%		
288	21.370	21.315	21.471	VV	450435	10053119	1.26%	0.066%		
289	21.485	21.471	21.562	VV	22565	1175963	0.15%	0.008%		
290	21.576	21.562	21.588	VV	21343	329638	0.04%	0.002%		
291	21.599	21.588	21.641	VV	20818	657560	0.08%	0.004%		
292	21.651	21.641	21.674	VV	20514	399005	0.05%	0.003%		
293	21.686	21.674	21.792	VV	20672	1333519	0.17%	0.009%		
294	21.820	21.792	21.871	VV	18737	818982	0.10%	0.005%		
295	21.881	21.871	21.925	VV	15803	476943	0.06%	0.003%		
296	21.956	21.925	21.981	VV	14380	468719	0.06%	0.003%		
297	22.020	21.981	22.042	VV	14334	511377	0.06%	0.003%		
298	22.061	22.042	22.117	VV	14319	600932	0.08%	0.004%		
299	22.141	22.117	22.168	VV	12490	360258	0.05%	0.002%		
300	22.173	22.168	22.185	VV	11788	115804	0.01%	0.001%		
301	22.195	22.185	22.201	VV	11643	112082	0.01%	0.001%		
302	22.214	22.201	22.281	VV	11584	515139	0.06%	0.003%		
303	22.354	22.281	22.451	VBA	303083	8494939	1.06%	0.056%		
Sum of corrected areas:						15224668787				

Aliphatic EPH 092425.M Sat Oct 04 00:47:38 2025

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
 Data File : FE056171.D
 Signal(s) : FID1B.ch
 Acq On : 03 Oct 2025 17:47
 Operator : YP\AJ
 Sample : Q3262-08MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

279887MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: autoint1.e

Quant Time: Oct 03 23:15:25 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Quant Title : GC Extractables

Qlast Update : Wed Sep 24 12:55:37 2025

Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	12.064	10338131	55.092 ug/ml
Spiked Amount 50.000		Recovery =	110.18%
12) S 1-chlorooctadecane (S...	13.519	6950689	49.802 ug/ml
Spiked Amount 50.000		Recovery =	99.60%
Target Compounds			
1) T n-Nonane (C9)	3.411	4707554	34.364 ug/ml
2) T n-Decane (C10)	4.671	5820344	41.704 ug/ml
3) T A~Naphthalene (C11.7)	6.390	8036334	50.333 ug/ml
4) T n-Dodecane (C12)	6.846	7404222	51.587 ug/ml
5) T A~2-methylnaphthalene...	7.492	8797009	56.566 ug/ml
6) T n-Tetradecane (C14)	8.691	9697561	65.593 ug/ml
7) T n-Hexadecane (C16)	10.338	11531771	72.569 ug/ml
8) T n-Octadecane (C18)	11.737	4473728	26.412 ug/ml
10) T n-Eicosane (C20)	13.039	10549374	63.641 ug/ml
11) T n-Heneicosane (C21)	13.672	43780120	269.431 ug/ml
13) T n-Docosane (C22)	14.263	16960220	106.140 ug/ml
14) T n-Tetracosane (C24)	15.406	16246905	106.620 ug/ml
15) T n-Hexacosane (C26)	16.405	6859429	48.092 ug/mlm
16) T n-Octacosane (C28)	17.347	7131737	51.195 ug/mlm
17) T n-Tricontane (C30)	18.236	7148741	48.243 ug/ml
18) T n-Dotriacontane (C32)	19.069	7421384	49.742 ug/ml
19) T n-Tetratriacontane (C34)	19.854	7670740	54.229 ug/ml
20) T n-Hexatriacontane (C36)	20.595	7620447	59.363 ug/ml
21) T n-Octatriacontane (C38)	21.371	7835451	59.657 ug/ml
22) T n-Tetracontane (C40)	22.353	7597081	63.859 ug/ml

(f)=RT Delta > 1/2 Window

(m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE100325AL\
Data File : FE056171.D
Signal(s) : FID1B.ch
Acq On : 03 Oct 2025 17:47
Operator : YP\AJ
Sample : Q3262-08MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

FID_E

ClientSampleId :

279887MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: autoint1.e

Quant Time: Oct 03 23:15:25 2025

Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Quant Title : GC Extractables

Qlast Update : Wed Sep 24 12:55:37 2025

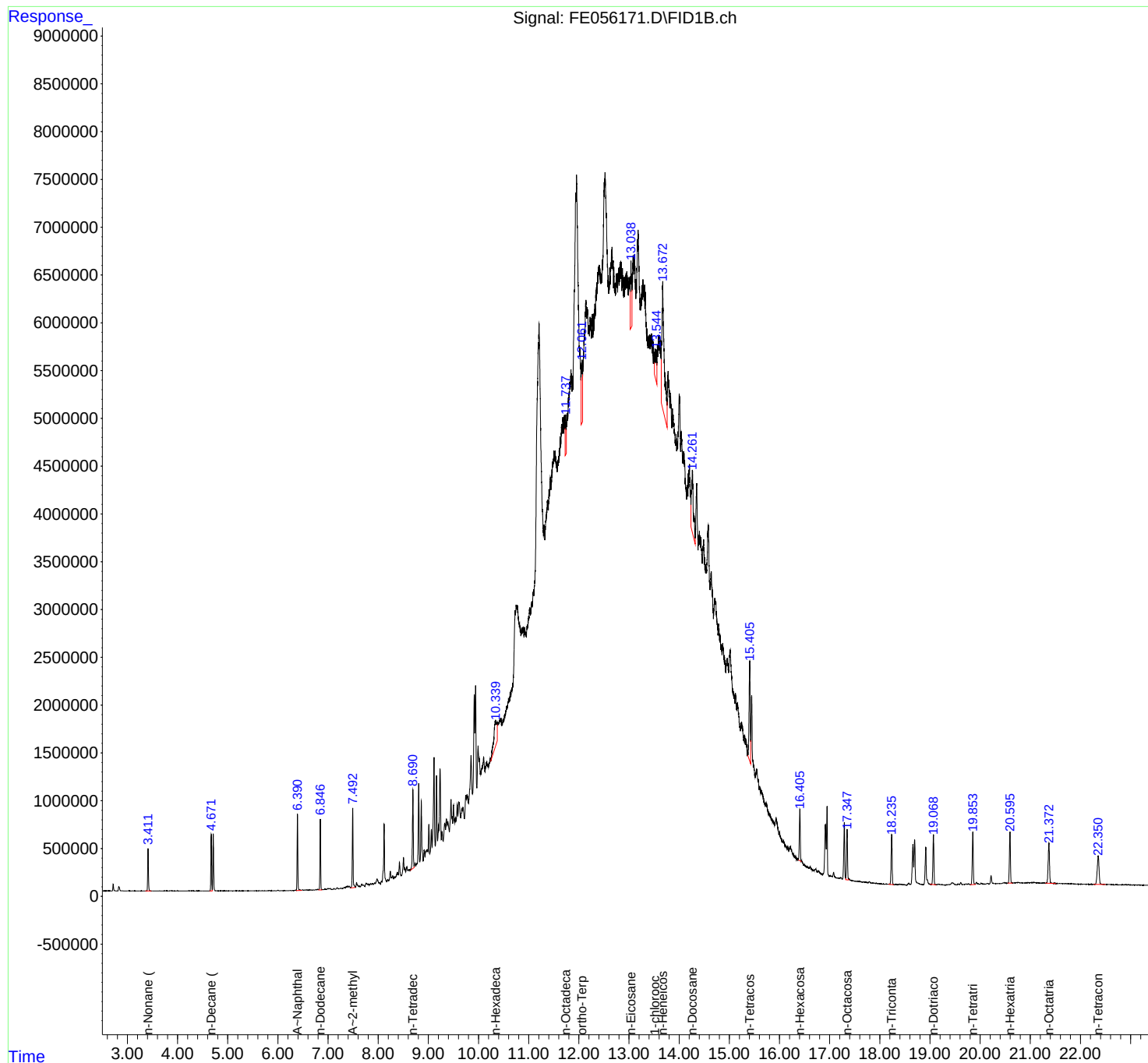
Response via : Initial Calibration

Integrator: ChemStation

Volume Inj. : 1 ul

Signal Phase : Rxi-1ms

Signal Info : 20M x 0.18mm x 0.18um



Instrument :

FID_E

ClientSampleId :

279887MSD

rteres

Area Percent Report

Manual IntegrationsAPPROVED

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_E\Data\FE

Data File : FE056171.D

Signal(s) : FID1B.ch

Acq On : 03 Oct 2025 17:47

Sample : Q3262-08MSD

Misc :

ALS Vial : 18 Sample Multiplier: 1

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File: sample.E

Method : Z:\pestpcbsrv\HPCHEM1\FID_E\methods\Aliphatic EPH 092425.M

Title : GC Extractables

Signal : FID1B.ch

peak #	R.T. min	Start min	End min	PK TY	peak height	peak area	peak % max.	% of total
1	2.828	2.804	2.877	PH	-22957	-2250233	-0.34%	-0.0015%
2	2.898	2.877	2.934	PV	-42104	-1144200	-0.17%	-0.0008%
3	2.953	2.934	2.971	PV	224	2485	0.00%	0.0000%
4	2.982	2.971	3.000	PV	245	2161	0.00%	0.0000%
5	3.019	3.000	3.087	VV	1625	28684	0.00%	0.0000%
6	3.107	3.087	3.127	PV	1661	16314	0.00%	0.0000%
7	3.146	3.127	3.174	VV	850	11308	0.00%	0.0000%
8	3.197	3.174	3.219	VV	324	4708	0.00%	0.0000%
9	3.276	3.219	3.302	PV	822	22364	0.00%	0.0000%
10	3.310	3.302	3.332	VV	341	3927	0.00%	0.0000%
11	3.341	3.332	3.365	VV	81	979	0.00%	0.0000%
12	3.411	3.365	3.521	PV	445421	4735102	0.72%	0.031%
13	3.557	3.521	3.581	VV	548	12253	0.00%	0.0000%
14	3.594	3.581	3.613	VV	299	4103	0.00%	0.0000%
15	3.639	3.613	3.684	VV	1098	22484	0.00%	0.0000%
16	3.733	3.684	3.746	VV	759	18993	0.00%	0.0000%
17	3.766	3.746	3.823	VV	1560	37127	0.01%	0.0000%
18	3.856	3.823	3.871	VV	3353	46880	0.01%	0.0000%
19	3.883	3.871	3.918	VV	2711	30536	0.00%	0.0000%
20	3.944	3.918	3.979	VV	1287	25532	0.00%	0.0000%
21	3.999	3.979	4.048	VV	2227	33122	0.01%	0.0000%
22	4.062	4.048	4.077	VV	294	4170	0.00%	0.0000%
23	4.123	4.077	4.164	VV	545	16456	0.00%	0.0000%
24	4.211	4.164	4.235	PV	1233	24413	0.00%	0.0000%
25	4.252	4.235	4.283	VV	1216	27022	0.00%	0.0000%
26	4.303	4.283	4.344	VV	1128	25197	0.00%	0.0000%
27	4.396	4.344	4.424	VV	1306	29765	0.00%	0.0000%
28	4.438	4.424	4.458	VV	1256	17887	0.00%	0.0000%
29	4.467	4.458	4.541	VV	574	13508	0.00%	0.0000%
30	4.565	4.541	4.593	PV	330	5508	0.00%	0.0000%
31	4.611	4.593	4.641	PV	486	6237	0.00%	0.0000%

					rt	Area	Area%	Area%
32	4.671	4.641	4.691	VV	593077	5827821	0.88%	0.039%
33	4.712	4.691	4.813	VV	598867	627436		
34	4.832	4.813	4.855	VV	1168	1957		
35	4.886	4.855	4.908	VV	964	2294		
36	4.916	4.908	4.931	VV	677	838		
37	4.954	4.931	4.971	VV	1775	25313	0.00%	0.000%
38	4.982	4.971	4.999	VV	1010	11201	0.00%	0.000%
39	5.038	4.999	5.051	VV	784	17745	0.00%	0.000%
40	5.077	5.051	5.102	VV	1185	24342	0.00%	0.000%
41	5.143	5.102	5.168	VV	1691	33498	0.01%	0.000%
42	5.190	5.168	5.205	VV	950	13200	0.00%	0.000%
43	5.217	5.205	5.236	VV	536	8767	0.00%	0.000%
44	5.251	5.236	5.273	VV	815	9631	0.00%	0.000%
45	5.292	5.273	5.311	PV	385	4908	0.00%	0.000%
46	5.328	5.311	5.361	VV	1296	22454	0.00%	0.000%
47	5.379	5.361	5.406	VV	925	14231	0.00%	0.000%
48	5.428	5.406	5.444	PV	599	8952	0.00%	0.000%
49	5.460	5.444	5.473	VV	1505	14837	0.00%	0.000%
50	5.489	5.473	5.534	VV	1431	29836	0.00%	0.000%
51	5.548	5.534	5.574	VV	389	5776	0.00%	0.000%
52	5.592	5.574	5.602	PV	619	6196	0.00%	0.000%
53	5.617	5.602	5.640	VV	1364	17940	0.00%	0.000%
54	5.656	5.640	5.669	VV	1009	10506	0.00%	0.000%
55	5.687	5.669	5.706	VV	2828	30451	0.00%	0.000%
56	5.732	5.706	5.770	VV	1210	23512	0.00%	0.000%
57	5.831	5.770	5.851	PV	3886	79177	0.01%	0.001%
58	5.867	5.851	5.904	VV	2484	33545	0.01%	0.000%
59	5.930	5.904	5.975	VV	1206	25008	0.00%	0.000%
60	6.001	5.975	6.031	VV	7077	88145	0.01%	0.001%
61	6.063	6.031	6.097	VV	1710	35843	0.01%	0.000%
62	6.125	6.097	6.159	PV	2265	50751	0.01%	0.000%
63	6.201	6.159	6.213	VV	1325	25019	0.00%	0.000%
64	6.247	6.213	6.269	VV	3053	61071	0.01%	0.000%
65	6.295	6.269	6.315	VV	2601	44953	0.01%	0.000%
66	6.352	6.315	6.363	VV	7855	113323	0.02%	0.001%
67	6.390	6.363	6.473	VV	806272	8174360	1.24%	0.054%
68	6.493	6.473	6.516	VV	10116	169524	0.03%	0.001%
69	6.541	6.516	6.558	VV	8387	154600	0.02%	0.001%
70	6.585	6.558	6.605	VV	8115	188789	0.03%	0.001%
71	6.641	6.605	6.659	VV	9247	220930	0.03%	0.001%
72	6.675	6.659	6.693	VV	6712	112588	0.02%	0.001%
73	6.717	6.693	6.733	VV	7831	147195	0.02%	0.001%
74	6.764	6.733	6.780	VV	12021	248686	0.04%	0.002%
75	6.796	6.780	6.811	VV	15471	221604	0.03%	0.001%
76	6.846	6.811	6.877	VV	749137	7653016	1.16%	0.051%
77	6.897	6.877	6.912	VV	11169	206126	0.03%	0.001%
78	6.939	6.912	6.968	VV	17146	419857	0.06%	0.003%
79	6.999	6.968	7.014	VV	22702	474839	0.07%	0.003%

Instrument :

FID_E

ClientSampleId :

279887MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

						Instrument : FID_E			A
						ClientSampleId : 279887MSD			
80	7.043	7.014	7.065	VV	22871	532588	0.08%	0.004%	B
81	7.076	7.065	7.091	VV	12053	17242	Manual IntegrationsAPPROVED		C
82	7.119	7.091	7.144	VV	21071	47832	Reviewed By :Yogesh Patel 10/06/2025 Supervised By :mohammad ahmed 10/06/2025		D
83	7.181	7.144	7.207	VV	28196	75143			E
84	7.222	7.207	7.233	VV	19808	28389			F
85	7.257	7.233	7.279	VV	24139	578331	0.09%	0.004%	G
86	7.324	7.279	7.341	VV	33518	934624	0.14%	0.006%	H
87	7.361	7.341	7.373	VV	38883	633589	0.10%	0.004%	I
88	7.390	7.373	7.405	VV	45463	744872	0.11%	0.005%	J
89	7.423	7.405	7.446	VV	44302	916224	0.14%	0.006%	
90	7.492	7.446	7.544	VV	856651	10445372	1.58%	0.069%	
91	7.569	7.544	7.613	VV	81618	2161025	0.33%	0.014%	
92	7.626	7.613	7.641	VV	47646	694200	0.10%	0.005%	
93	7.673	7.641	7.688	VV	66233	1478600	0.22%	0.010%	
94	7.700	7.688	7.732	VV	55481	1330835	0.20%	0.009%	
95	7.762	7.732	7.772	VV	71103	1436001	0.22%	0.009%	
96	7.778	7.772	7.795	VV	68108	868189	0.13%	0.006%	
97	7.810	7.795	7.827	VV	66969	1179741	0.18%	0.008%	
98	7.848	7.827	7.860	VV	67723	1257704	0.19%	0.008%	
99	7.889	7.860	7.902	VV	71613	1679117	0.25%	0.011%	
100	7.932	7.902	7.943	VV	73587	1657759	0.25%	0.011%	
101	7.977	7.943	8.012	VV	117682	3927760	0.59%	0.026%	
102	8.026	8.012	8.045	VV	78551	1448898	0.22%	0.010%	
103	8.064	8.045	8.074	VV	93676	1399748	0.21%	0.009%	
104	8.117	8.074	8.169	VV	691100	12475054	1.89%	0.083%	
105	8.189	8.169	8.211	VV	112647	2533968	0.38%	0.017%	
106	8.242	8.211	8.264	VV	197014	4616415	0.70%	0.031%	
107	8.288	8.264	8.306	VV	150588	3329939	0.50%	0.022%	
108	8.324	8.306	8.338	VV	139792	2503175	0.38%	0.017%	
109	8.383	8.338	8.401	VV	186449	6050151	0.91%	0.040%	
110	8.423	8.401	8.458	VV	288552	6831081	1.03%	0.045%	
111	8.504	8.458	8.521	VV	338601	8418444	1.27%	0.056%	
112	8.531	8.521	8.547	VV	232767	3306857	0.50%	0.022%	
113	8.568	8.547	8.624	VV	241369	10010364	1.51%	0.066%	
114	8.634	8.624	8.644	VV	212319	2508928	0.38%	0.017%	
115	8.691	8.644	8.717	VV	1050055	19386667	2.93%	0.128%	
116	8.734	8.717	8.749	VV	283820	5044822	0.76%	0.033%	
117	8.806	8.749	8.829	VV	1123100	22353122	3.38%	0.148%	
118	8.858	8.829	8.896	VV	924916	19941521	3.01%	0.132%	
119	8.916	8.896	8.932	VV	416400	7851645	1.19%	0.052%	
120	8.971	8.932	8.989	VV	420777	13913802	2.10%	0.092%	
121	9.009	8.989	9.028	VV	680427	11907064	1.80%	0.079%	
122	9.059	9.028	9.074	VV	631548	13372975	2.02%	0.088%	
123	9.111	9.074	9.137	VV	1375310	29907896	4.52%	0.198%	
124	9.162	9.137	9.183	VV	1190840	21003913	3.17%	0.139%	
125	9.232	9.183	9.257	VV	1269174	35169682	5.31%	0.233%	
126	9.272	9.257	9.294	VV	602340	12345073	1.87%	0.082%	

rteres							
127	9.325	9.294	9.342	VV	686250	17849143	2.70% 0.118%
128	9.359	9.342	9.375	VV	742947	1369732	
129	9.388	9.375	9.417	VV	710342	1714556	
130	9.451	9.417	9.483	VV	940566	3036066	
131	9.500	9.483	9.531	VV	884686	2199111	
132	9.574	9.531	9.588	VV	883886	26422546	3.99% 0.175%
133	9.606	9.588	9.645	VV	915148	28968028	4.38% 0.192%
134	9.693	9.645	9.718	VV	862474	35308427	5.34% 0.234%
135	9.745	9.718	9.754	VV	979492	19227069	2.91% 0.127%
136	9.766	9.754	9.800	VV	984057	26564946	4.01% 0.176%
137	9.850	9.800	9.879	VV	1398234	53126594	8.03% 0.351%
138	9.915	9.879	9.927	VV	2035363	43074199	6.51% 0.285%
139	9.941	9.927	9.965	VV	2135152	37191056	5.62% 0.246%
140	9.991	9.965	10.048	VV	1502831	64452073	9.74% 0.426%
141	10.102	10.048	10.128	VV	1384099	61945014	9.36% 0.410%
142	10.164	10.128	10.200	VV	1338634	55878660	8.44% 0.370%
143	10.239	10.200	10.247	VV	1368862	37743981	5.70% 0.250%
144	10.338	10.247	10.368	VV	1765361	116319105	17.58% 0.769%
145	10.379	10.368	10.397	VV	1749309	30604667	4.62% 0.202%
146	10.432	10.397	10.478	VV	1777828	84440367	12.76% 0.558%
147	10.752	10.478	10.848	VV	2963618	507941565	76.75% 3.360%
148	10.893	10.848	10.907	VV	2741256	95503624	14.43% 0.632%
149	10.918	10.907	10.954	VV	2729330	75693927	11.44% 0.501%
150	11.025	10.954	11.034	VV	2934476	134674334	20.35% 0.891%
151	11.207	11.034	11.295	VV	5916649	644185531	97.34% 4.261%
152	11.305	11.295	11.321	VV	3801239	57514239	8.69% 0.380%
153	11.374	11.321	11.384	VV	4050131	148051675	22.37% 0.979%
154	11.432	11.384	11.444	VV	4304435	148852897	22.49% 0.985%
155	11.504	11.444	11.514	VV	4542592	185023968	27.96% 1.224%
156	11.526	11.514	11.566	VV	4542784	138640423	20.95% 0.917%
157	11.655	11.566	11.664	VV	4850329	271879195	41.08% 1.798%
158	11.691	11.664	11.698	VV	4910847	99057953	14.97% 0.655%
159	11.712	11.698	11.725	VV	4904173	77943301	11.78% 0.516%
160	11.737	11.725	11.749	VV	4932517	70942838	10.72% 0.469%
161	11.843	11.749	11.864	VV	5378687	355458935	53.71% 2.351%
162	11.954	11.864	12.043	VV	7437110	661805621	100.00% 4.377%
163	12.139	12.043	12.155	VV	6117155	384922549	58.16% 2.546%
164	12.163	12.155	12.211	VV	6044141	198727460	30.03% 1.314%
165	12.224	12.211	12.250	VV	5960214	136718206	20.66% 0.904%
166	12.265	12.250	12.296	VV	5971627	165325935	24.98% 1.093%
167	12.404	12.296	12.435	VV	6516858	521191135	78.75% 3.447%
168	12.521	12.435	12.594	VV	7475899	648898602	98.05% 4.292%
169	12.616	12.594	12.623	VV	6479893	109972166	16.62% 0.727%
170	12.661	12.623	12.728	VV	6699889	404705892	61.15% 2.677%
171	12.748	12.728	12.804	VV	6410158	292373756	44.18% 1.934%
172	12.820	12.804	12.857	VV	6548352	203197904	30.70% 1.344%
173	12.868	12.857	12.894	VV	6466799	140242523	21.19% 0.928%
174	12.956	12.894	12.991	VV	6423501	368827792	55.73% 2.439%

Instrument :

FID_E

ClientSampleId :

279887MSD

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Instrument : FID_E ClientSampleId : 279887MSD									
175	13.000	12.991	13.024	VV	6340998	126052975	19.05%	0.834%	A
176	13.039	13.024	13.058	VV	6530749	12756100	Manual IntegrationsAPPROVED		
177	13.079	13.058	13.088	VV	6547510	11586482	Reviewed By :Yogesh Patel 10/06/2025		
178	13.106	13.088	13.138	VV	6618834	19322585	Supervised By :mohammad ahmed 10/06/2025		
179	13.182	13.138	13.231	VV	6852649	36037479			
180	13.259	13.231	13.375	VV	6293736	524283180	79.22%	3.468%	D
181	13.383	13.375	13.397	VV	5758154	76779337	11.60%	0.508%	E
182	13.408	13.397	13.431	VV	5765340	116950586	17.67%	0.774%	F
183	13.447	13.431	13.511	VV	5767245	270828047	40.92%	1.791%	G
184	13.519	13.511	13.555	VV	5626672	146028809	22.07%	0.966%	H
185	13.592	13.555	13.601	VV	5771276	158222132	23.91%	1.046%	I
186	13.608	13.601	13.615	VV	5766685	47466878	7.17%	0.314%	J
187	13.620	13.615	13.640	VV	5705675	84088499	12.71%	0.556%	
188	13.671	13.640	13.755	VV	6312789	387051636	58.48%	2.560%	
189	13.777	13.755	13.813	VV	5384043	181101564	27.36%	1.198%	
190	13.827	13.813	13.854	VV	5154119	124011731	18.74%	0.820%	
191	13.867	13.854	13.929	VV	4984544	216285529	32.68%	1.431%	
192	13.940	13.929	13.960	VV	4691481	85336851	12.89%	0.564%	
193	14.002	13.960	14.030	VV	5154801	203838113	30.80%	1.348%	
194	14.041	14.030	14.070	VV	4756192	113050805	17.08%	0.748%	
195	14.086	14.070	14.148	VV	4533437	204233201	30.86%	1.351%	
196	14.204	14.148	14.235	VV	4388587	218737587	33.05%	1.447%	
197	14.263	14.235	14.318	VV	4347362	202246410	30.56%	1.338%	
198	14.348	14.318	14.378	VV	4227005	139307185	21.05%	0.921%	
199	14.403	14.378	14.461	VV	3724268	178782795	27.01%	1.182%	
200	14.487	14.461	14.548	VV	3620310	178390166	26.96%	1.180%	
201	14.580	14.548	14.612	VV	3779854	134896112	20.38%	0.892%	
202	14.639	14.612	14.684	VV	3306022	133889490	20.23%	0.886%	
203	14.713	14.684	14.774	VV	2994098	156491807	23.65%	1.035%	
204	14.784	14.774	14.851	VV	2760034	121257581	18.32%	0.802%	
205	14.868	14.851	14.927	VV	2544697	109959947	16.62%	0.727%	
206	14.958	14.927	14.984	VV	2391778	79909825	12.07%	0.529%	
207	15.015	14.984	15.108	VV	2480957	163712239	24.74%	1.083%	
208	15.118	15.108	15.151	VV	2020834	50397968	7.62%	0.333%	
209	15.162	15.151	15.218	VV	1929021	72221208	10.91%	0.478%	
210	15.240	15.218	15.285	VV	1726251	67010287	10.13%	0.443%	
211	15.305	15.285	15.368	VV	1596691	75136871	11.35%	0.497%	
212	15.406	15.368	15.426	VV	2377574	62877673	9.50%	0.416%	
213	15.445	15.426	15.518	VV	2003156	79226923	11.97%	0.524%	
214	15.543	15.518	15.598	VV	1222178	55146874	8.33%	0.365%	
215	15.603	15.598	15.625	VV	1044903	16559095	2.50%	0.110%	
216	15.635	15.625	15.718	VV	1004294	52678908	7.96%	0.348%	
217	15.728	15.718	15.903	VV	876046	84327458	12.74%	0.558%	
218	15.931	15.903	15.987	VV	729191	33059229	5.00%	0.219%	
219	15.997	15.987	16.064	VV	569026	24031000	3.63%	0.159%	
220	16.078	16.064	16.189	VV	485364	32735323	4.95%	0.217%	
221	16.219	16.189	16.373	VV	418290	38236808	5.78%	0.253%	

								Instrument : FID_E	
								ClientSampleId : 279887MSD	
222	16.405	16.373	16.542	VV	815913	32645562	4.93%	0.216%	Manual IntegrationsAPPROVED
223	16.547	16.542	16.591	VV	217642	609486			
224	16.609	16.591	16.671	VV	216658	940656			
225	16.682	16.671	16.694	VV	177820	248599			
226	16.722	16.694	16.754	VV	191252	639282			
227	16.779	16.754	16.860	VV	169070	9551944	1.44%	0.063%	Reviewed By :Yogesh Patel 10/06/2025 Supervised By :mohammad ahmed 10/06/2025
228	16.915	16.860	16.931	VV	652099	14331865	2.17%	0.095%	
229	16.948	16.931	17.028	VV	842580	15259864	2.31%	0.101%	
230	17.035	17.028	17.054	VV	116248	1828208	0.28%	0.012%	
231	17.078	17.054	17.152	VV	153269	6630431	1.00%	0.044%	
232	17.157	17.152	17.204	VV	96401	2943752	0.44%	0.019%	
233	17.224	17.204	17.253	VV	102413	2757174	0.42%	0.018%	
234	17.293	17.253	17.316	VV	672016	10858004	1.64%	0.072%	
235	17.348	17.316	17.530	VV	607494	16194208	2.45%	0.107%	
236	17.550	17.530	17.568	VV	60708	1366797	0.21%	0.009%	
237	17.583	17.568	17.658	VV	59635	2981656	0.45%	0.020%	
238	17.672	17.658	17.697	VV	52471	1198130	0.18%	0.008%	
239	17.711	17.697	17.771	VV	51612	2152172	0.33%	0.014%	
240	17.792	17.771	17.828	VV	56389	1617775	0.24%	0.011%	
241	17.839	17.828	17.862	VV	41387	822979	0.12%	0.005%	
242	17.880	17.862	17.909	VV	41904	1114352	0.17%	0.007%	
243	17.930	17.909	17.958	VV	38780	1054123	0.16%	0.007%	
244	17.976	17.958	18.001	VV	34155	847238	0.13%	0.006%	
245	18.012	18.001	18.057	VV	32444	1023077	0.15%	0.007%	
246	18.076	18.057	18.107	VV	29470	833888	0.13%	0.006%	
247	18.123	18.107	18.151	VV	28802	731958	0.11%	0.005%	
248	18.236	18.151	18.284	VV	541506	9103862	1.38%	0.060%	
249	18.322	18.284	18.347	VV	25578	850132	0.13%	0.006%	
250	18.398	18.347	18.410	VV	26786	878523	0.13%	0.006%	
251	18.423	18.410	18.461	VV	25430	689583	0.10%	0.005%	
252	18.480	18.461	18.529	VV	23703	805767	0.12%	0.005%	
253	18.574	18.529	18.615	VV	36999	1336236	0.20%	0.009%	
254	18.660	18.615	18.675	VV	442980	7418280	1.12%	0.049%	
255	18.694	18.675	18.866	VV	489869	10155609	1.53%	0.067%	
256	18.916	18.866	19.028	VV	407232	8609563	1.30%	0.057%	
257	19.069	19.028	19.124	VV	541563	8543221	1.29%	0.057%	
258	19.164	19.124	19.181	VV	25982	709836	0.11%	0.005%	
259	19.192	19.181	19.214	VV	22882	414445	0.06%	0.003%	
260	19.238	19.214	19.263	VV	19597	522577	0.08%	0.003%	
261	19.280	19.263	19.304	VV	16594	374689	0.06%	0.002%	
262	19.363	19.304	19.382	VV	20160	789029	0.12%	0.005%	
263	19.438	19.382	19.531	VV	38434	2271200	0.34%	0.015%	
264	19.564	19.531	19.586	VV	21975	660622	0.10%	0.004%	
265	19.613	19.586	19.644	VV	40065	936331	0.14%	0.006%	
266	19.675	19.644	19.690	VV	19623	521207	0.08%	0.003%	
267	19.717	19.690	19.751	VV	26040	803902	0.12%	0.005%	
268	19.772	19.751	19.802	VV	26526	662483	0.10%	0.004%	
269	19.854	19.802	19.904	VV	569188	8712027	1.32%	0.058%	

						Instrument : FID_E ClientSampleId : 279887MSD				
270	19.927	19.904	19.992	VV	41974	1436015	0.22%	0.009%	A	
271	20.022	19.992	20.060	VV	30520	102404	Manual IntegrationsAPPROVED			B
272	20.076	20.060	20.098	VV	23093	51461	Reviewed By :Yogesh Patel 10/06/2025 Supervised By :mohammad ahmed 10/06/2025			C
273	20.151	20.098	20.181	VV	29644	124081				D
274	20.218	20.181	20.285	VV	108316	281213				E
275	20.303	20.285	20.359	VV	26772	1168903				0.18%
276	20.382	20.359	20.424	VV	27357	1026529	0.16%	0.007%	G	
277	20.484	20.424	20.523	VV	35649	1845663	0.28%	0.012%	H	
278	20.545	20.523	20.553	VV	31019	545633	0.08%	0.004%	I	
279	20.595	20.553	20.648	VV	561625	9357260	1.41%	0.062%	J	
280	20.730	20.648	20.743	VV	36670	1885224	0.28%	0.012%		
281	20.763	20.743	20.808	VV	37384	1319213	0.20%	0.009%		
282	20.814	20.808	20.858	VV	32088	942005	0.14%	0.006%		
283	20.870	20.858	20.893	VV	31364	648105	0.10%	0.004%		
284	20.920	20.893	20.932	VV	32292	733119	0.11%	0.005%		
285	20.962	20.932	20.973	VV	35033	826655	0.12%	0.005%		
286	20.985	20.973	21.001	VV	34622	576517	0.09%	0.004%		
287	21.040	21.001	21.188	VV	35552	3606774	0.54%	0.024%		
288	21.195	21.188	21.253	VV	29695	1134046	0.17%	0.008%		
289	21.265	21.253	21.314	VV	29103	1029566	0.16%	0.007%		
290	21.371	21.314	21.515	VV	441930	10795964	1.63%	0.071%		
291	21.530	21.515	21.560	VV	22575	596734	0.09%	0.004%		
292	21.567	21.560	21.587	VV	22234	347623	0.05%	0.002%		
293	21.596	21.587	21.637	VV	21560	646718	0.10%	0.004%		
294	21.646	21.637	21.660	VV	21187	291140	0.04%	0.002%		
295	21.691	21.660	21.731	VV	21537	874403	0.13%	0.006%		
296	21.750	21.731	21.794	VV	20089	731917	0.11%	0.005%		
297	21.818	21.794	21.961	VV	20408	1708710	0.26%	0.011%		
298	21.986	21.961	22.115	VV	14996	1282508	0.19%	0.008%		
299	22.141	22.115	22.154	VV	12980	297411	0.04%	0.002%		
300	22.166	22.154	22.180	VV	12286	188867	0.03%	0.001%		
301	22.192	22.180	22.201	VV	12696	153557	0.02%	0.001%		
302	22.210	22.201	22.284	VV	12628	585288	0.09%	0.004%		
303	22.353	22.284	22.451	VBA	309228	8673692	1.31%	0.057%		
Sum of corrected areas: 15119233353										

Aliphatic EPH 092425.M Sat Oct 04 00:48:10 2025

Manual Integration Report

Sequence:	FE092425AL	Instrument	FID_e
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3168-03	FE055979.D	1-chlorooctadecane (SURR)	yogesh	9/25/2025 1:08:41 PM	mohammad	9/26/2025 4:25:44	Peak Integrated by Software
Q3168-03	FE055979.D	ortho-Terphenyl (SURR)	yogesh	9/25/2025 1:08:41 PM	mohammad	9/26/2025 4:25:44	Peak Integrated by Software

Manual Integration Report

Sequence:

FE100325AL

Instrument

FID_e

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169970BS	FE056165.D	n-Octacosane (C28)	yogesh	10/6/2025 2:29:40 AM	mohammad	10/6/2025 2:37:36	Peak Integrated by Software
PB169970BSD	FE056166.D	n-Octacosane (C28)	yogesh	10/6/2025 2:29:38 AM	mohammad	10/6/2025 2:37:36	Peak Integrated by Software
Q3262-08MS	FE056170.D	n-Hexadecane (C16)	yogesh	10/6/2025 2:29:36 AM	mohammad	10/6/2025 2:37:36	Peak Integrated by Software
Q3262-08MS	FE056170.D	ortho-Terphenyl (SURR)	yogesh	10/6/2025 2:29:36 AM	mohammad	10/6/2025 2:37:36	Peak Integrated by Software
Q3262-08MSD	FE056171.D	n-Hexacosane (C26)	yogesh	10/6/2025 2:29:35 AM	mohammad	10/6/2025 2:37:36	Peak Integrated by Software
Q3262-08MSD	FE056171.D	n-Octacosane (C28)	yogesh	10/6/2025 2:29:35 AM	mohammad	10/6/2025 2:37:36	Peak Integrated by Software
Q3262-05	FE056188.D	1-chlorooctadecane (SURR)	yogesh	10/6/2025 2:29:33 AM	mohammad	10/6/2025 2:37:36	Peak Integrated by Software

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE092425AL

Review By	yogesh	Review On	9/24/2025 11:25:42 AM
Supervise By	mohammad	Supervise On	9/26/2025 4:25:44 AM
SubDirectory	FE092425AL	HP Acquire Method	HP Processing Method FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM	PP24771		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE055960.D	24 Sep 2025 08:06	YP\AJ	Ok
2	I.BLK	FE055961.D	24 Sep 2025 08:36	YP\AJ	Ok
3	100 PPM ALIPHATIC HC STD1	FE055962.D	24 Sep 2025 09:07	YP\AJ	Ok
4	50 PPM ALIPHATIC HC STD2	FE055963.D	24 Sep 2025 09:37	YP\AJ	Ok
5	20 PPM ALIPHATIC HC STD3	FE055964.D	24 Sep 2025 10:07	YP\AJ	Ok
6	10 PPM ALIPHATIC HC STD4	FE055965.D	24 Sep 2025 10:38	YP\AJ	Ok
7	5 PPM ALIPHATIC HC STD5	FE055966.D	24 Sep 2025 11:08	YP\AJ	Ok
8	20 PPM ALIPHATIC HC STD ICV	FE055967.D	24 Sep 2025 11:39	YP\AJ	Ok
9	I.BLK	FE055968.D	24 Sep 2025 12:09	YP\AJ	Ok
10	20 PPM ALIPHATIC HC STD	FE055969.D	24 Sep 2025 12:40	YP\AJ	Ok
11	PB169809BL	FE055970.D	24 Sep 2025 14:27	YP\AJ	Ok
12	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
13	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
14	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
15	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
16	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
17	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
18	PB169809BS	FE055971.D	24 Sep 2025 14:58	YP\AJ	Ok
19	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
20	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
21	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE092425AL

Review By	yogesh	Review On	9/24/2025 11:25:42 AM
Supervise By	mohammad	Supervise On	9/26/2025 4:25:44 AM
SubDirectory	FE092425AL	HP Acquire Method	HP Processing Method FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774		

22	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
23	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
24	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
25	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
26	PB169809BSD	FE055972.D	24 Sep 2025 15:28	YP\AJ	Ok
27	Q3159-01	FE055973.D	24 Sep 2025 15:59	YP\AJ	Ok
28	Q3159-01D	FE055974.D	24 Sep 2025 16:29	YP\AJ	Ok
29	Q3159-01MS	FE055975.D	24 Sep 2025 17:00	YP\AJ	Ok
30	Q3159-01MSD	FE055976.D	24 Sep 2025 17:31	YP\AJ	Ok
31	Q3159-03	FE055977.D	24 Sep 2025 18:01	YP\AJ	Ok
32	Q3167-01	FE055978.D	24 Sep 2025 18:32	YP\AJ	Dilution
33	Q3168-03	FE055979.D	24 Sep 2025 19:03	YP\AJ	Dilution
34	I.BLK	FE055980.D	24 Sep 2025 20:04	YP\AJ	Ok
35	20 PPM ALIPHATIC HC STD	FE055981.D	24 Sep 2025 20:35	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE100325AL

Review By	yogesh	Review On	10/3/2025 10:54:21 AM
Supervise By	mohammad	Supervise On	10/6/2025 2:37:36 AM
SubDirectory	FE100325AL	HP Acquire Method	HP Processing Method FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24771 PP24769,PP24774		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	MECL2	FE056161.D	03 Oct 2025 10:00	YP\AJ	Ok
2	I.BLK	FE056162.D	03 Oct 2025 10:30	YP\AJ	Ok
3	20 PPM ALIPHATIC HC STD	FE056163.D	03 Oct 2025 11:00	YP\AJ	Ok
4	PB169970BL	FE056164.D	03 Oct 2025 14:15	YP\AJ	Ok
5	PB169970BS	FE056165.D	03 Oct 2025 14:45	YP\AJ	Ok,M
6	PB169970BSD	FE056166.D	03 Oct 2025 15:15	YP\AJ	Ok,M
7	Q3262-01	FE056167.D	03 Oct 2025 15:46	YP\AJ	Ok
8	Q3262-08	FE056168.D	03 Oct 2025 16:16	YP\AJ	Dilution
9	Q3262-08D	FE056169.D	03 Oct 2025 16:47	YP\AJ	Ok
10	Q3262-08MS	FE056170.D	03 Oct 2025 17:17	YP\AJ	Ok,M
11	Q3262-08MSD	FE056171.D	03 Oct 2025 17:47	YP\AJ	Ok,M
12	Q3269-01	FE056172.D	03 Oct 2025 18:18	YP\AJ	Ok
13	Q3269-02	FE056173.D	03 Oct 2025 18:48	YP\AJ	Ok
14	Q3269-04	FE056174.D	03 Oct 2025 19:19	YP\AJ	Ok
15	Q3269-05	FE056175.D	03 Oct 2025 19:49	YP\AJ	Ok
16	I.BLK	FE056176.D	03 Oct 2025 20:50	YP\AJ	Ok
17	20 PPM ALIPHATIC HC STD	FE056177.D	03 Oct 2025 21:20	YP\AJ	Ok
18	Q3270-01	FE056178.D	03 Oct 2025 22:21	YP\AJ	Ok
19	Q3270-02	FE056179.D	03 Oct 2025 22:51	YP\AJ	Ok
20	Q3271-01	FE056180.D	03 Oct 2025 23:22	YP\AJ	Ok
21	Q3271-02	FE056181.D	03 Oct 2025 23:53	YP\AJ	Dilution

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE100325AL

Review By	yogesh	Review On	10/3/2025 10:54:21 AM
Supervise By	mohammad	Supervise On	10/6/2025 2:37:36 AM
SubDirectory	FE100325AL	HP Acquire Method	HP Processing Method FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q3272-01	FE056182.D	04 Oct 2025 00:23	YP\AJ	Ok
23	Q3272-02	FE056183.D	04 Oct 2025 00:54	YP\AJ	Ok
24	Q3272-03	FE056184.D	04 Oct 2025 01:25	YP\AJ	Ok
25	Q3272-04	FE056185.D	04 Oct 2025 01:55	YP\AJ	Ok
26	Q3277-01	FE056186.D	04 Oct 2025 02:26	YP\AJ	Ok
27	Q3262-02	FE056187.D	04 Oct 2025 02:57	YP\AJ	Dilution
28	Q3262-05	FE056188.D	04 Oct 2025 03:27	YP\AJ	Dilution
29	I.BLK	FE056189.D	04 Oct 2025 04:59	YP\AJ	Ok
30	20 PPM ALIPHATIC HC STD	FE056190.D	04 Oct 2025 05:30	YP\AJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE092425AL

Review By	yogesh	Review On	9/24/2025 11:25:42 AM
Supervise By	mohammad	Supervise On	9/26/2025 4:25:44 AM
SubDirectory	FE092425AL	HP Acquire Method	HP Processing Method
			FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE055960.D	24 Sep 2025 08:06		YPIAJ	Ok
2	I.BLK	I.BLK	FE055961.D	24 Sep 2025 08:36		YPIAJ	Ok
3	100 PPM ALIPHATIC HC	100 PPM ALIPHATIC HC	FE055962.D	24 Sep 2025 09:07		YPIAJ	Ok
4	50 PPM ALIPHATIC HC	50 PPM ALIPHATIC HC	FE055963.D	24 Sep 2025 09:37		YPIAJ	Ok
5	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055964.D	24 Sep 2025 10:07		YPIAJ	Ok
6	10 PPM ALIPHATIC HC	10 PPM ALIPHATIC HC	FE055965.D	24 Sep 2025 10:38		YPIAJ	Ok
7	5 PPM ALIPHATIC HC	5 PPM ALIPHATIC HC	FE055966.D	24 Sep 2025 11:08		YPIAJ	Ok
8	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055967.D	24 Sep 2025 11:39		YPIAJ	Ok
9	I.BLK	I.BLK	FE055968.D	24 Sep 2025 12:09		YPIAJ	Ok
10	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055969.D	24 Sep 2025 12:40		YPIAJ	Ok
11	PB169809BL	PB169809BL	FE055970.D	24 Sep 2025 14:27		YPIAJ	Ok
12	PB169809BS	PB169809BLBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
13	PB169809BS	PB169809BLBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
14	PB169809BS	PB169809BLBSBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
15	PB169809BS	PB169809BLBSBSBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
16	PB169809BS	PB169809BLBSBSBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
17	PB169809BS	PB169809BLBSBSBSBS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok
18	PB169809BS	PB169809BS	FE055971.D	24 Sep 2025 14:58		YPIAJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE092425AL

Review By	yogesh	Review On	9/24/2025 11:25:42 AM
Supervise By	mohammad	Supervise On	9/26/2025 4:25:44 AM
SubDirectory	FE092425AL	HP Acquire Method	HP Processing Method
			FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
20	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
21	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
22	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
23	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
24	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
25	PB169809BSD	PB169809BLBSBSBSE	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
26	PB169809BSD	PB169809BSD	FE055972.D	24 Sep 2025 15:28		YPIAJ	Ok
27	Q3159-01	VNJ-245	FE055973.D	24 Sep 2025 15:59		YPIAJ	Ok
28	Q3159-01D	VNJ-245D	FE055974.D	24 Sep 2025 16:29		YPIAJ	Ok
29	Q3159-01MS	VNJ-245MS	FE055975.D	24 Sep 2025 17:00	FE055973.D	YPIAJ	Ok
30	Q3159-01MSD	VNJ-245MSD	FE055976.D	24 Sep 2025 17:31	FE055973.D!FE055975.D	YPIAJ	Ok
31	Q3159-03	VNJ-255	FE055977.D	24 Sep 2025 18:01		YPIAJ	Ok
32	Q3167-01	RT4784	FE055978.D	24 Sep 2025 18:32	Need 2X	YPIAJ	Dilution
33	Q3168-03	ARS20-0010-Oily Soil-S	FE055979.D	24 Sep 2025 19:03	Need 10X	YPIAJ	Dilution
34	I.BLK	I.BLK	FE055980.D	24 Sep 2025 20:04		YPIAJ	Ok
35	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE055981.D	24 Sep 2025 20:35		YPIAJ	Ok

M : Manual Integration

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE100325AL

Review By	yogesh	Review On	10/3/2025 10:54:21 AM	
Supervise By	mohammad	Supervise On	10/6/2025 2:37:36 AM	
SubDirectory	FE100325AL	HP Acquire Method	HP Processing Method	FE092425AL
STD. NAME		STD REF.#		
Tune/Reschk Initial Calibration Stds		PP24768,PP24770,PP24771,PP24772,PP24773		
CCC		PP24771		
Internal Standard/PEM				
ICV/I.BLK		PP24769,PP24774		
Surrogate Standard				
MS/MSD Standard				
LCS Standard				

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	MECL2	MECL2	FE056161.D	03 Oct 2025 10:00		YPIAJ	Ok
2	I.BLK	I.BLK	FE056162.D	03 Oct 2025 10:30		YPIAJ	Ok
3	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056163.D	03 Oct 2025 11:00		YPIAJ	Ok
4	PB169970BL	PB169970BL	FE056164.D	03 Oct 2025 14:15		YPIAJ	Ok
5	PB169970BS	PB169970BS	FE056165.D	03 Oct 2025 14:45		YPIAJ	Ok,M
6	PB169970BSD	PB169970BSD	FE056166.D	03 Oct 2025 15:15		YPIAJ	Ok,M
7	Q3262-01	PAD-100125	FE056167.D	03 Oct 2025 15:46		YPIAJ	Ok
8	Q3262-08	279887	FE056168.D	03 Oct 2025 16:16	Need 5X,100X	YPIAJ	Dilution
9	Q3262-08D	Q3262-08D	FE056169.D	03 Oct 2025 16:47		YPIAJ	Ok
10	Q3262-08MS	279887MS	FE056170.D	03 Oct 2025 17:17	FE056168.D	YPIAJ	Ok,M
11	Q3262-08MSD	279887MSD	FE056171.D	03 Oct 2025 17:47	FE056168.D!FE056170.D	YPIAJ	Ok,M
12	Q3269-01	EG1-TP1	FE056172.D	03 Oct 2025 18:18		YPIAJ	Ok
13	Q3269-02	EG1-TP1-E2	FE056173.D	03 Oct 2025 18:48		YPIAJ	Ok
14	Q3269-04	EG1-TP2	FE056174.D	03 Oct 2025 19:19		YPIAJ	Ok
15	Q3269-05	EG1-TP2-E2	FE056175.D	03 Oct 2025 19:49		YPIAJ	Ok
16	I.BLK	I.BLK	FE056176.D	03 Oct 2025 20:50		YPIAJ	Ok
17	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056177.D	03 Oct 2025 21:20		YPIAJ	Ok
18	Q3270-01	SG-1-TEST-PIT	FE056178.D	03 Oct 2025 22:21		YPIAJ	Ok

Instrument ID: FID_E

Daily Analysis Runlog For Sequence/QC Batch ID # FE100325AL

Review By	yogesh	Review On	10/3/2025 10:54:21 AM
Supervise By	mohammad	Supervise On	10/6/2025 2:37:36 AM
SubDirectory	FE100325AL	HP Acquire Method	HP Processing Method
			FE092425AL
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24768,PP24770,PP24771,PP24772,PP24773		
CCC	PP24771		
Internal Standard/PEM			
ICV/I.BLK	PP24769,PP24774		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q3270-02	SG-1-TEST-PIT	FE056179.D	03 Oct 2025 22:51		YP\AJ	Ok
20	Q3271-01	72-11929	FE056180.D	03 Oct 2025 23:22		YP\AJ	Ok
21	Q3271-02	72-11929-E2	FE056181.D	03 Oct 2025 23:53	Need 2X	YP\AJ	Dilution
22	Q3272-01	VNJ-235	FE056182.D	04 Oct 2025 00:23		YP\AJ	Ok
23	Q3272-02	VNJ-235-E2	FE056183.D	04 Oct 2025 00:54		YP\AJ	Ok
24	Q3272-03	R7	FE056184.D	04 Oct 2025 01:25		YP\AJ	Ok
25	Q3272-04	R7-E2	FE056185.D	04 Oct 2025 01:55		YP\AJ	Ok
26	Q3277-01	WC1	FE056186.D	04 Oct 2025 02:26		YP\AJ	Ok
27	Q3262-02	MOO-25-0280	FE056187.D	04 Oct 2025 02:57	Need 100X,500X	YP\AJ	Dilution
28	Q3262-05	MOO-25-0281-82	FE056188.D	04 Oct 2025 03:27	Need 5X	YP\AJ	Dilution
29	I.BLK	I.BLK	FE056189.D	04 Oct 2025 04:59		YP\AJ	Ok
30	20 PPM ALIPHATIC HC	20 PPM ALIPHATIC HC	FE056190.D	04 Oct 2025 05:30		YP\AJ	Ok

M : Manual Integration

SOP ID: MNJDEP-EPH-8

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH **Extraction By:** RJ

Balance check: EH **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 3,7

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Extraction Start Date : 10/03/2025

Extraction Start Time : 09:40

Extraction End Date : 10/03/2025

Extraction End Time : 14:00

Concentration By: EH

Supervisor By : ritesh

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	100 PPM	PP24918
Surrogate	1.0ML	100 PPM	PP24941
Fractionation Surrogate	1.0ML	100 PPM	PP24915
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2641
Baked Na2SO4	N/A	EP2646
Sand	N/A	E3951
Hexane	N/A	E3974
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/25	RJ CETA (Cub)	R. P. S. / R. B. C. (Cub)
14:05	Preparation Group	Analysis Group

Analytical Method: MNJDEP-EPH-8

Concentration Date: 10/03/2025

Sample ID	Client Sample ID	Test	mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169970BL	PB169970BL	EPH_NF	30.02	N/A	ritesh	Evelyn	2			U6-1
PB169970BS	PB169970BS	EPH_NF	30.03	N/A	ritesh	Evelyn	2			2
PB169970BSD	PB169970BSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2			3
Q3262-01	PAD-100125	EPH_NF	30.06	N/A	ritesh	Evelyn	2	A	Concrete	4
Q3262-02	MOO-25-0280	EPH_NF	30.08	N/A	ritesh	Evelyn	2	D	Small Particles	5
Q3262-05	MOO-25-0281-82	EPH_NF	30.07	N/A	ritesh	Evelyn	2	D	Small Particles	6
Q3262-08	279887	EPH_NF	30.05	N/A	ritesh	Evelyn	2	D		U1-1
Q3262-08DUP	279887DUP	EPH_NF	30.05	N/A	ritesh	Evelyn	2	D		2
Q3262-08MS	279887MS	EPH_NF	30.04	N/A	ritesh	Evelyn	2	D		3
Q3262-08MSD	279887MSD	EPH_NF	30.01	N/A	ritesh	Evelyn	2	D		4
Q3269-01	EG1-TP1	EPH_NF	30.09	N/A	ritesh	Evelyn	2	D		5
Q3269-02	EG1-TP1-E2	EPH_NF	30.06	N/A	ritesh	Evelyn	2			6
Q3269-04	EG1-TP2	EPH_NF	30.03	N/A	ritesh	Evelyn	2	D		U2-1
Q3269-05	EG1-TP2-E2	EPH_NF	30.04	N/A	ritesh	Evelyn	2			2
Q3270-01	SG-1-TEST-PIT	EPH_NF	30.08	N/A	ritesh	Evelyn	2	D		3
Q3270-02	SG-1-TEST-PIT	EPH_NF	30.03	N/A	ritesh	Evelyn	2			3
Q3271-01	72-11929	EPH_NF	30.05	N/A	ritesh	Evelyn	2	D		5
Q3271-02	72-11929-E2	EPH_NF	30.07	N/A	ritesh	Evelyn	2			6
Q3272-01	VNJ-235	EPH_NF	30.02	N/A	ritesh	Evelyn	2	E		U3-1
Q3272-02	VNJ-235-E2	EPH_NF	30.01	N/A	ritesh	Evelyn	2			2
Q3272-03	R7	EPH_NF	30.06	N/A	ritesh	Evelyn	2	E		3
Q3272-04	R7-E2	EPH_NF	30.05	N/A	ritesh	Evelyn	2			4
Q3277-01	WC1	EPH_NF	30.07	N/A	ritesh	Evelyn	2	B		5

* Extracts relinquished on the same date as received.

RJ
10/03

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3271 WorkList ID : 192264 Department : Extraction Date : 10-03-2025 08:38:40

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3262-01	PAD-100125	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/01/2025	NJEPH
Q3262-02	MOO-25-0280	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/01/2025	NJEPH
Q3262-05	MOO-25-0281-82	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/01/2025	NJEPH
Q3262-08	279887	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/01/2025	NJEPH
Q3269-01	EG1-TP1	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3269-02	EG1-TP1-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3269-04	EG1-TP2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3269-05	EG1-TP2-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3270-01	SG-1-TEST-PIT	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3270-02	SG-1-TEST-PIT	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3271-01	72-11929	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3271-02	72-11929-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3272-01	VNJ-235	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3272-02	VNJ-235-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3272-03	R7	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3272-04	R7-E2	Solid	EPH_NF	Cool 4 deg C	PSEG03	D31	10/02/2025	NJEPH
Q3277-01	WC1	Solid	EPH_NF	Cool 4 deg C	GENV01	D31	09/30/2025	NJEPH

Date/Time 10/03/25 9:35
Raw Sample Received by: RJ CEA-10041
Raw Sample Relinquished by: CP

Date/Time 10/03/25 10:05
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ CEA-10041



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q3277	OrderDate:	10/2/2025 3:50:00 PM
Client:	G Environmental	Project:	Newport
Contact:	Gary Landis	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3277-01	WC1	Solid	EPH_NF	NJEPH	09/30/25	10/03/25	10/04/25	10/02/25

Hit Summary Sheet SW-846

SDG No.: Q3277
Client: G Environmental

Order ID: Q3277
Project ID: Newport

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q3277-01	WC1	SOIL	Aluminum	6620		0.75	4.45	mg/Kg
Q3277-01	WC1	SOIL	Arsenic	5.32		0.17	0.89	mg/Kg
Q3277-01	WC1	SOIL	Barium	57.3		0.65	4.45	mg/Kg
Q3277-01	WC1	SOIL	Beryllium	0.63		0.022	0.27	mg/Kg
Q3277-01	WC1	SOIL	Cadmium	0.87		0.021	0.27	mg/Kg
Q3277-01	WC1	SOIL	Calcium	11100		9.89	89.1	mg/Kg
Q3277-01	WC1	SOIL	Chromium	13.2		0.042	0.45	mg/Kg
Q3277-01	WC1	SOIL	Cobalt	7.18		0.089	1.34	mg/Kg
Q3277-01	WC1	SOIL	Copper	33.9		0.20	0.89	mg/Kg
Q3277-01	WC1	SOIL	Iron	18000		3.55	4.45	mg/Kg
Q3277-01	WC1	SOIL	Lead	116		0.12	0.54	mg/Kg
Q3277-01	WC1	SOIL	Magnesium	6300		10.7	89.1	mg/Kg
Q3277-01	WC1	SOIL	Manganese	235		0.13	0.89	mg/Kg
Q3277-01	WC1	SOIL	Mercury	0.27		0.0070	0.012	mg/Kg
Q3277-01	WC1	SOIL	Nickel	15.2		0.12	1.78	mg/Kg
Q3277-01	WC1	SOIL	Potassium	789		24.7	89.1	mg/Kg
Q3277-01	WC1	SOIL	Silver	0.46		0.11	0.45	mg/Kg
Q3277-01	WC1	SOIL	Sodium	439		15.9	89.1	mg/Kg
Q3277-01	WC1	SOIL	Vanadium	21.4		0.22	1.78	mg/Kg
Q3277-01	WC1	SOIL	Zinc	125		0.21	1.78	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	97.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6620		1	0.75	4.45	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-36-0	Antimony	0.20	UN	1	0.20	2.23	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-38-2	Arsenic	5.32		1	0.17	0.89	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-39-3	Barium	57.3		1	0.65	4.45	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-41-7	Beryllium	0.63		1	0.022	0.27	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-43-9	Cadmium	0.87	*	1	0.021	0.27	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-70-2	Calcium	11100		1	9.89	89.1	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-47-3	Chromium	13.2		1	0.042	0.45	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-48-4	Cobalt	7.18	N	1	0.089	1.34	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-50-8	Copper	33.9	N	1	0.20	0.89	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7439-89-6	Iron	18000		1	3.55	4.45	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7439-92-1	Lead	116		1	0.12	0.54	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7439-95-4	Magnesium	6300		1	10.7	89.1	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7439-96-5	Manganese	235		1	0.13	0.89	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7439-97-6	Mercury	0.27		1	0.0070	0.012	mg/Kg	10/06/25 09:25	10/06/25 15:28	7471B	
7440-02-0	Nickel	15.2		1	0.12	1.78	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-09-7	Potassium	789		1	24.7	89.1	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7782-49-2	Selenium	0.23	U	1	0.23	0.89	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-22-4	Silver	0.46		1	0.11	0.45	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-23-5	Sodium	439		1	15.9	89.1	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-28-0	Thallium	0.21	U	1	0.21	1.78	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-62-2	Vanadium	21.4	N	1	0.22	1.78	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050
7440-66-6	Zinc	125		1	0.21	1.78	mg/Kg	10/03/25 10:30	10/07/25 15:04	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	No
Comments:	METALS-TAL			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB59	Mercury	0.076	+/-0.2	U	0.20	CV	10/06/2025	14:58	LB137429

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB83	Mercury	0.076	+/-0.2	U	0.20	CV	10/06/2025	15:03	LB137429
CCB84	Mercury	0.076	+/-0.2	U	0.20	CV	10/06/2025	15:33	LB137429
CCB85	Mercury	0.076	+/-0.2	U	0.20	CV	10/06/2025	16:02	LB137429

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	10/07/2025	12:06	LB137447
	Antimony	6.76	+/-25	U	50.0	P	10/07/2025	12:06	LB137447
	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	12:06	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	12:06	LB137447
	Beryllium	0.56	+/-3	U	6.00	P	10/07/2025	12:06	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	12:06	LB137447
	Calcium	234	+/-1000	U	2000	P	10/07/2025	12:06	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	12:06	LB137447
	Cobalt	2.26	+/-15	U	30.0	P	10/07/2025	12:06	LB137447
	Copper	4.60	+/-10	U	20.0	P	10/07/2025	12:06	LB137447
	Iron	23.4	+/-50	U	100	P	10/07/2025	12:06	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	12:06	LB137447
	Magnesium	244	+/-1000	U	2000	P	10/07/2025	12:06	LB137447
	Manganese	5.94	+/-10	U	20.0	P	10/07/2025	12:06	LB137447
	Nickel	3.06	+/-20	U	40.0	P	10/07/2025	12:06	LB137447
	Potassium	918	+/-1000	U	2000	P	10/07/2025	12:06	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	12:06	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	12:06	LB137447
	Sodium	868	+/-1000	U	2000	P	10/07/2025	12:06	LB137447
	Thallium	5.24	+/-20	J	40.0	P	10/07/2025	12:06	LB137447
	Vanadium	6.26	+/-20	U	40.0	P	10/07/2025	12:06	LB137447
	Zinc	16.7	+/-20	U	40.0	P	10/07/2025	12:06	LB137447

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	10/07/2025	12:58	LB137447
	Antimony	6.76	+/-25	U	50.0	P	10/07/2025	12:58	LB137447
	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	12:58	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	12:58	LB137447
	Beryllium	0.56	+/-3	U	6.00	P	10/07/2025	12:58	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	12:58	LB137447
	Calcium	234	+/-1000	U	2000	P	10/07/2025	12:58	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	12:58	LB137447
	Cobalt	2.26	+/-15	U	30.0	P	10/07/2025	12:58	LB137447
	Copper	4.60	+/-10	U	20.0	P	10/07/2025	12:58	LB137447
	Iron	23.4	+/-50	U	100	P	10/07/2025	12:58	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	12:58	LB137447
	Magnesium	244	+/-1000	U	2000	P	10/07/2025	12:58	LB137447
	Manganese	5.94	+/-10	U	20.0	P	10/07/2025	12:58	LB137447
	Nickel	3.06	+/-20	U	40.0	P	10/07/2025	12:58	LB137447
	Potassium	918	+/-1000	U	2000	P	10/07/2025	12:58	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	12:58	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	12:58	LB137447
	Sodium	868	+/-1000	U	2000	P	10/07/2025	12:58	LB137447
	Thallium	4.38	+/-20	U	40.0	P	10/07/2025	12:58	LB137447
	Vanadium	6.26	+/-20	U	40.0	P	10/07/2025	12:58	LB137447
	Zinc	16.7	+/-20	U	40.0	P	10/07/2025	12:58	LB137447
CCB02	Aluminum	14.4	+/-50	J	100	P	10/07/2025	14:24	LB137447
	Antimony	6.76	+/-25	U	50.0	P	10/07/2025	14:24	LB137447
	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	14:24	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	14:24	LB137447
	Beryllium	0.56	+/-3	U	6.00	P	10/07/2025	14:24	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	14:24	LB137447
	Calcium	234	+/-1000	U	2000	P	10/07/2025	14:24	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	14:24	LB137447
	Cobalt	2.26	+/-15	U	30.0	P	10/07/2025	14:24	LB137447
	Copper	4.60	+/-10	U	20.0	P	10/07/2025	14:24	LB137447
	Iron	28.4	+/-50	J	100	P	10/07/2025	14:24	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	14:24	LB137447
	Magnesium	244	+/-1000	U	2000	P	10/07/2025	14:24	LB137447
	Manganese	5.94	+/-10	U	20.0	P	10/07/2025	14:24	LB137447
	Nickel	3.06	+/-20	U	40.0	P	10/07/2025	14:24	LB137447
	Potassium	918	+/-1000	U	2000	P	10/07/2025	14:24	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	14:24	LB137447

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	10/07/2025	14:24	LB137447
	Sodium	868	+/-1000	U	2000	P	10/07/2025	14:24	LB137447
	Thallium	5.15	+/-20	J	40.0	P	10/07/2025	14:24	LB137447
	Vanadium	6.26	+/-20	U	40.0	P	10/07/2025	14:24	LB137447
	Zinc	16.7	+/-20	U	40.0	P	10/07/2025	14:24	LB137447
CCB03	Aluminum	11.3	+/-50	U	100	P	10/07/2025	15:12	LB137447
	Antimony	6.76	+/-25	U	50.0	P	10/07/2025	15:12	LB137447
	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	15:12	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	15:12	LB137447
	Beryllium	0.56	+/-3	U	6.00	P	10/07/2025	15:12	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	15:12	LB137447
	Calcium	234	+/-1000	U	2000	P	10/07/2025	15:12	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	15:12	LB137447
	Cobalt	2.26	+/-15	U	30.0	P	10/07/2025	15:12	LB137447
	Copper	4.60	+/-10	U	20.0	P	10/07/2025	15:12	LB137447
	Iron	23.4	+/-50	U	100	P	10/07/2025	15:12	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	15:12	LB137447
	Magnesium	244	+/-1000	U	2000	P	10/07/2025	15:12	LB137447
	Manganese	5.94	+/-10	U	20.0	P	10/07/2025	15:12	LB137447
	Nickel	3.06	+/-20	U	40.0	P	10/07/2025	15:12	LB137447
	Potassium	918	+/-1000	U	2000	P	10/07/2025	15:12	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	15:12	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	15:12	LB137447
	Sodium	868	+/-1000	U	2000	P	10/07/2025	15:12	LB137447
	Thallium	6.22	+/-20	J	40.0	P	10/07/2025	15:12	LB137447
	Vanadium	6.26	+/-20	U	40.0	P	10/07/2025	15:12	LB137447
	Zinc	16.7	+/-20	U	40.0	P	10/07/2025	15:12	LB137447
CCB04	Aluminum	11.3	+/-50	U	100	P	10/07/2025	16:04	LB137447
	Antimony	6.76	+/-25	U	50.0	P	10/07/2025	16:04	LB137447
	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	16:04	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	16:04	LB137447
	Beryllium	0.56	+/-3	U	6.00	P	10/07/2025	16:04	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	16:04	LB137447
	Calcium	234	+/-1000	U	2000	P	10/07/2025	16:04	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	16:04	LB137447
	Cobalt	2.26	+/-15	U	30.0	P	10/07/2025	16:04	LB137447
	Copper	4.60	+/-10	U	20.0	P	10/07/2025	16:04	LB137447
	Iron	23.4	+/-50	U	100	P	10/07/2025	16:04	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	16:04	LB137447

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	10/07/2025	16:04	LB137447
	Manganese	5.94	+/-10	U	20.0	P	10/07/2025	16:04	LB137447
	Nickel	3.06	+/-20	U	40.0	P	10/07/2025	16:04	LB137447
	Potassium	918	+/-1000	U	2000	P	10/07/2025	16:04	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	16:04	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	16:04	LB137447
	Sodium	868	+/-1000	U	2000	P	10/07/2025	16:04	LB137447
	Thallium	5.51	+/-20	J	40.0	P	10/07/2025	16:04	LB137447
	Vanadium	6.26	+/-20	U	40.0	P	10/07/2025	16:04	LB137447
	Zinc	16.7	+/-20	U	40.0	P	10/07/2025	16:04	LB137447
CCB05	Aluminum	11.3	+/-50	U	100	P	10/07/2025	17:01	LB137447
	Antimony	6.76	+/-25	U	50.0	P	10/07/2025	17:01	LB137447
	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	17:01	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	17:01	LB137447
	Beryllium	0.56	+/-3	U	6.00	P	10/07/2025	17:01	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	17:01	LB137447
	Calcium	234	+/-1000	U	2000	P	10/07/2025	17:01	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	17:01	LB137447
	Cobalt	2.26	+/-15	U	30.0	P	10/07/2025	17:01	LB137447
	Copper	4.60	+/-10	U	20.0	P	10/07/2025	17:01	LB137447
	Iron	23.4	+/-50	U	100	P	10/07/2025	17:01	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	17:01	LB137447
	Magnesium	244	+/-1000	U	2000	P	10/07/2025	17:01	LB137447
	Manganese	5.94	+/-10	U	20.0	P	10/07/2025	17:01	LB137447
	Nickel	3.06	+/-20	U	40.0	P	10/07/2025	17:01	LB137447
	Potassium	918	+/-1000	U	2000	P	10/07/2025	17:01	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	17:01	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	17:01	LB137447
	Sodium	868	+/-1000	U	2000	P	10/07/2025	17:01	LB137447
	Thallium	5.07	+/-20	J	40.0	P	10/07/2025	17:01	LB137447
	Vanadium	6.26	+/-20	U	40.0	P	10/07/2025	17:01	LB137447
	Zinc	16.7	+/-20	U	40.0	P	10/07/2025	17:01	LB137447
CCB06	Aluminum	11.3	+/-50	U	100	P	10/07/2025	17:59	LB137447
	Antimony	6.76	+/-25	U	50.0	P	10/07/2025	17:59	LB137447
	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	17:59	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	17:59	LB137447
	Beryllium	0.56	+/-3	U	6.00	P	10/07/2025	17:59	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	17:59	LB137447
	Calcium	234	+/-1000	U	2000	P	10/07/2025	17:59	LB137447

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	17:59	LB137447
	Cobalt	2.26	+/-15	U	30.0	P	10/07/2025	17:59	LB137447
	Copper	4.60	+/-10	U	20.0	P	10/07/2025	17:59	LB137447
	Iron	23.4	+/-50	U	100	P	10/07/2025	17:59	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	17:59	LB137447
	Magnesium	244	+/-1000	U	2000	P	10/07/2025	17:59	LB137447
	Manganese	5.94	+/-10	U	20.0	P	10/07/2025	17:59	LB137447
	Nickel	3.06	+/-20	U	40.0	P	10/07/2025	17:59	LB137447
	Potassium	918	+/-1000	U	2000	P	10/07/2025	17:59	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	17:59	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	17:59	LB137447
	Sodium	868	+/-1000	U	2000	P	10/07/2025	17:59	LB137447
	Thallium	4.38	+/-20	U	40.0	P	10/07/2025	17:59	LB137447
	Vanadium	6.26	+/-20	U	40.0	P	10/07/2025	17:59	LB137447
	Zinc	16.7	+/-20	U	40.0	P	10/07/2025	17:59	LB137447
CCB07	Aluminum	11.3	+/-50	U	100	P	10/07/2025	18:48	LB137447
	Antimony	6.76	+/-25	U	50.0	P	10/07/2025	18:48	LB137447
	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	18:48	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	18:48	LB137447
	Beryllium	0.56	+/-3	U	6.00	P	10/07/2025	18:48	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	18:48	LB137447
	Calcium	234	+/-1000	U	2000	P	10/07/2025	18:48	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	18:48	LB137447
	Cobalt	2.26	+/-15	U	30.0	P	10/07/2025	18:48	LB137447
	Copper	4.60	+/-10	U	20.0	P	10/07/2025	18:48	LB137447
	Iron	23.4	+/-50	U	100	P	10/07/2025	18:48	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	18:48	LB137447
	Magnesium	244	+/-1000	U	2000	P	10/07/2025	18:48	LB137447
	Manganese	5.94	+/-10	U	20.0	P	10/07/2025	18:48	LB137447
	Nickel	3.06	+/-20	U	40.0	P	10/07/2025	18:48	LB137447
	Potassium	918	+/-1000	U	2000	P	10/07/2025	18:48	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	18:48	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	18:48	LB137447
	Sodium	868	+/-1000	U	2000	P	10/07/2025	18:48	LB137447
	Thallium	4.38	+/-20	U	40.0	P	10/07/2025	18:48	LB137447
	Vanadium	6.26	+/-20	U	40.0	P	10/07/2025	18:48	LB137447
	Zinc	16.7	+/-20	U	40.0	P	10/07/2025	18:48	LB137447
CCB08	Aluminum	11.3	+/-50	U	100	P	10/07/2025	19:24	LB137447
	Antimony	6.76	+/-25	U	50.0	P	10/07/2025	19:24	LB137447

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	19:24	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	19:24	LB137447
	Beryllium	0.56	+/-3	U	6.00	P	10/07/2025	19:24	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	19:24	LB137447
	Calcium	234	+/-1000	U	2000	P	10/07/2025	19:24	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	19:24	LB137447
	Cobalt	2.26	+/-15	U	30.0	P	10/07/2025	19:24	LB137447
	Copper	4.60	+/-10	U	20.0	P	10/07/2025	19:24	LB137447
	Iron	23.4	+/-50	U	100	P	10/07/2025	19:24	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	19:24	LB137447
	Magnesium	244	+/-1000	U	2000	P	10/07/2025	19:24	LB137447
	Manganese	5.94	+/-10	U	20.0	P	10/07/2025	19:24	LB137447
	Nickel	3.06	+/-20	U	40.0	P	10/07/2025	19:24	LB137447
	Potassium	918	+/-1000	U	2000	P	10/07/2025	19:24	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	19:24	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	19:24	LB137447
	Sodium	868	+/-1000	U	2000	P	10/07/2025	19:24	LB137447
	Thallium	4.38	+/-20	U	40.0	P	10/07/2025	19:24	LB137447
	Vanadium	6.26	+/-20	U	40.0	P	10/07/2025	19:24	LB137447
	Zinc	16.7	+/-20	U	40.0	P	10/07/2025	19:24	LB137447

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169993BL		SOLID		Batch Number:	PB169993		Prep Date:	10/06/2025	
	Mercury	0.0070	<0.013	U	0.013	CV	10/06/2025	15:13	LB137429

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB169979BL	SOLID			Batch Number:	PB169979		Prep Date:	10/03/2025	
	Aluminum	0.84	<2.5	U	5.00	P	10/07/2025	15:52	LB137447
	Antimony	0.22	<1.25	U	2.50	P	10/07/2025	15:52	LB137447
	Arsenic	0.19	<0.5	U	1.00	P	10/07/2025	15:52	LB137447
	Barium	0.73	<2.5	U	5.00	P	10/07/2025	15:52	LB137447
	Beryllium	0.025	<0.15	U	0.30	P	10/07/2025	15:52	LB137447
	Cadmium	0.024	<0.15	U	0.30	P	10/07/2025	15:52	LB137447
	Calcium	11.1	<50	U	100	P	10/07/2025	15:52	LB137447
	Chromium	0.047	<0.25	U	0.50	P	10/07/2025	15:52	LB137447
	Cobalt	0.10	<0.75	U	1.50	P	10/07/2025	15:52	LB137447
	Copper	0.22	<0.5	U	1.00	P	10/07/2025	15:52	LB137447
	Iron	3.99	<2.5	U	5.00	P	10/07/2025	15:52	LB137447
	Lead	0.13	<0.3	U	0.60	P	10/07/2025	15:52	LB137447
	Magnesium	12.0	<50	U	100	P	10/07/2025	15:52	LB137447
	Manganese	0.14	<0.5	U	1.00	P	10/07/2025	15:52	LB137447
	Nickel	0.13	<1	U	2.00	P	10/07/2025	15:52	LB137447
	Potassium	27.7	<50	U	100	P	10/07/2025	15:52	LB137447
	Selenium	0.26	<0.5	U	1.00	P	10/07/2025	15:52	LB137447
	Silver	0.12	<0.25	U	0.50	P	10/07/2025	15:52	LB137447
	Sodium	17.8	<50	U	100	P	10/07/2025	15:52	LB137447
	Thallium	0.23	<1	U	2.00	P	10/07/2025	15:52	LB137447
	Vanadium	0.25	<1	U	2.00	P	10/07/2025	15:52	LB137447
	Zinc	0.23	<1	U	2.00	P	10/07/2025	15:52	LB137447



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV59	Mercury	4.07	4.0	102	90 - 110	CV	10/06/2025	14:56	LB137429

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV83	Mercury	4.89	5.0	98	90 - 110	CV	10/06/2025	15:01	LB137429
CCV84	Mercury	4.84	5.0	97	90 - 110	CV	10/06/2025	15:30	LB137429
CCV85	Mercury	4.83	5.0	97	90 - 110	CV	10/06/2025	15:59	LB137429

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	7920	8000	99	90 - 110	P	10/07/2025	10:54	LB137447
	Antimony	4110	4000	103	90 - 110	P	10/07/2025	10:54	LB137447
	Arsenic	4000	4000	100	90 - 110	P	10/07/2025	10:54	LB137447
	Barium	7940	8000	99	90 - 110	P	10/07/2025	10:54	LB137447
	Beryllium	201	200	100	90 - 110	P	10/07/2025	10:54	LB137447
	Cadmium	1980	2000	99	90 - 110	P	10/07/2025	10:54	LB137447
	Calcium	19900	20000	99	90 - 110	P	10/07/2025	10:54	LB137447
	Chromium	817	800	102	90 - 110	P	10/07/2025	10:54	LB137447
	Cobalt	1980	2000	99	90 - 110	P	10/07/2025	10:54	LB137447
	Copper	1020	1000	102	90 - 110	P	10/07/2025	10:54	LB137447
	Iron	4130	4000	103	90 - 110	P	10/07/2025	10:54	LB137447
	Lead	3890	4000	97	90 - 110	P	10/07/2025	10:54	LB137447
	Magnesium	19900	20000	100	90 - 110	P	10/07/2025	10:54	LB137447
	Manganese	1990	2000	100	90 - 110	P	10/07/2025	10:54	LB137447
	Nickel	1980	2000	99	90 - 110	P	10/07/2025	10:54	LB137447
	Potassium	20200	20000	101	90 - 110	P	10/07/2025	10:54	LB137447
	Selenium	4000	4000	100	90 - 110	P	10/07/2025	10:54	LB137447
	Silver	1030	1000	103	90 - 110	P	10/07/2025	10:54	LB137447
	Sodium	20100	20000	100	90 - 110	P	10/07/2025	10:54	LB137447
	Thallium	3720	4000	93	90 - 110	P	10/07/2025	10:54	LB137447
	Vanadium	1980	2000	99	90 - 110	P	10/07/2025	10:54	LB137447
	Zinc	2020	2000	101	90 - 110	P	10/07/2025	10:54	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	92.2	100	92	80 - 120	P	10/07/2025	12:01	LB137447
	Antimony	49.4	50.0	99	80 - 120	P	10/07/2025	12:01	LB137447
	Arsenic	18.4	20.0	92	80 - 120	P	10/07/2025	12:01	LB137447
	Barium	95.7	100	96	80 - 120	P	10/07/2025	12:01	LB137447
	Beryllium	6.20	6.0	103	80 - 120	P	10/07/2025	12:01	LB137447
	Cadmium	5.85	6.0	98	80 - 120	P	10/07/2025	12:01	LB137447
	Calcium	2020	2000	101	80 - 120	P	10/07/2025	12:01	LB137447
	Chromium	9.65	10.0	96	80 - 120	P	10/07/2025	12:01	LB137447
	Cobalt	29.0	30.0	97	80 - 120	P	10/07/2025	12:01	LB137447
	Copper	21.9	20.0	110	80 - 120	P	10/07/2025	12:01	LB137447
	Iron	119	100	119	80 - 120	P	10/07/2025	12:01	LB137447
	Lead	11.1	12.0	93	80 - 120	P	10/07/2025	12:01	LB137447
	Magnesium	2070	2000	104	80 - 120	P	10/07/2025	12:01	LB137447
	Manganese	20.8	20.0	104	80 - 120	P	10/07/2025	12:01	LB137447
	Nickel	39.6	40.0	99	80 - 120	P	10/07/2025	12:01	LB137447
	Potassium	1910	2000	95	80 - 120	P	10/07/2025	12:01	LB137447
	Selenium	23.6	20.0	118	80 - 120	P	10/07/2025	12:01	LB137447
	Silver	9.88	10.0	99	80 - 120	P	10/07/2025	12:01	LB137447
	Sodium	1890	2000	94	80 - 120	P	10/07/2025	12:01	LB137447
	Thallium	43.0	40.0	107	80 - 120	P	10/07/2025	12:01	LB137447
	Vanadium	37.3	40.0	93	80 - 120	P	10/07/2025	12:01	LB137447
	Zinc	36.9	40.0	92	80 - 120	P	10/07/2025	12:01	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

Contract: GENV01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3277

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	10100	10000	101	90 - 110	P	10/07/2025	12:50	LB137447
	Antimony	5050	5000	101	90 - 110	P	10/07/2025	12:50	LB137447
	Arsenic	5080	5000	102	90 - 110	P	10/07/2025	12:50	LB137447
	Barium	9980	10000	100	90 - 110	P	10/07/2025	12:50	LB137447
	Beryllium	252	250	101	90 - 110	P	10/07/2025	12:50	LB137447
	Cadmium	2510	2500	100	90 - 110	P	10/07/2025	12:50	LB137447
	Calcium	25200	25000	101	90 - 110	P	10/07/2025	12:50	LB137447
	Chromium	1030	1000	103	90 - 110	P	10/07/2025	12:50	LB137447
	Cobalt	2490	2500	100	90 - 110	P	10/07/2025	12:50	LB137447
	Copper	1270	1250	101	90 - 110	P	10/07/2025	12:50	LB137447
	Iron	5200	5000	104	90 - 110	P	10/07/2025	12:50	LB137447
	Lead	4980	5000	100	90 - 110	P	10/07/2025	12:50	LB137447
	Magnesium	25200	25000	101	90 - 110	P	10/07/2025	12:50	LB137447
	Manganese	2490	2500	100	90 - 110	P	10/07/2025	12:50	LB137447
	Nickel	2490	2500	100	90 - 110	P	10/07/2025	12:50	LB137447
	Potassium	25500	25000	102	90 - 110	P	10/07/2025	12:50	LB137447
	Selenium	5150	5000	103	90 - 110	P	10/07/2025	12:50	LB137447
	Silver	1280	1250	103	90 - 110	P	10/07/2025	12:50	LB137447
	Sodium	25600	25000	102	90 - 110	P	10/07/2025	12:50	LB137447
	Thallium	4870	5000	97	90 - 110	P	10/07/2025	12:50	LB137447
	Vanadium	2520	2500	101	90 - 110	P	10/07/2025	12:50	LB137447
	Zinc	2600	2500	104	90 - 110	P	10/07/2025	12:50	LB137447
CCV02	Aluminum	9930	10000	99	90 - 110	P	10/07/2025	14:19	LB137447
	Antimony	5050	5000	101	90 - 110	P	10/07/2025	14:19	LB137447
	Arsenic	5080	5000	102	90 - 110	P	10/07/2025	14:19	LB137447
	Barium	9770	10000	98	90 - 110	P	10/07/2025	14:19	LB137447
	Beryllium	250	250	100	90 - 110	P	10/07/2025	14:19	LB137447
	Cadmium	2510	2500	100	90 - 110	P	10/07/2025	14:19	LB137447
	Calcium	24900	25000	100	90 - 110	P	10/07/2025	14:19	LB137447
	Chromium	1030	1000	103	90 - 110	P	10/07/2025	14:19	LB137447
	Cobalt	2480	2500	99	90 - 110	P	10/07/2025	14:19	LB137447
	Copper	1260	1250	101	90 - 110	P	10/07/2025	14:19	LB137447
	Iron	5340	5000	107	90 - 110	P	10/07/2025	14:19	LB137447
	Lead	4960	5000	99	90 - 110	P	10/07/2025	14:19	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

Contract: GENV01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3277

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	24900	25000	100	90 - 110	P	10/07/2025	14:19	LB137447
	Manganese	2480	2500	99	90 - 110	P	10/07/2025	14:19	LB137447
	Nickel	2490	2500	100	90 - 110	P	10/07/2025	14:19	LB137447
	Potassium	26100	25000	104	90 - 110	P	10/07/2025	14:19	LB137447
	Selenium	5190	5000	104	90 - 110	P	10/07/2025	14:19	LB137447
	Silver	1290	1250	103	90 - 110	P	10/07/2025	14:19	LB137447
	Sodium	25000	25000	100	90 - 110	P	10/07/2025	14:19	LB137447
	Thallium	5200	5000	104	90 - 110	P	10/07/2025	14:19	LB137447
	Vanadium	2500	2500	100	90 - 110	P	10/07/2025	14:19	LB137447
	Zinc	2600	2500	104	90 - 110	P	10/07/2025	14:19	LB137447
CCV03	Aluminum	10000	10000	100	90 - 110	P	10/07/2025	15:08	LB137447
	Antimony	4960	5000	99	90 - 110	P	10/07/2025	15:08	LB137447
	Arsenic	4970	5000	99	90 - 110	P	10/07/2025	15:08	LB137447
	Barium	9860	10000	99	90 - 110	P	10/07/2025	15:08	LB137447
	Beryllium	253	250	101	90 - 110	P	10/07/2025	15:08	LB137447
	Cadmium	2440	2500	98	90 - 110	P	10/07/2025	15:08	LB137447
	Calcium	25100	25000	100	90 - 110	P	10/07/2025	15:08	LB137447
	Chromium	1010	1000	101	90 - 110	P	10/07/2025	15:08	LB137447
	Cobalt	2420	2500	97	90 - 110	P	10/07/2025	15:08	LB137447
	Copper	1240	1250	99	90 - 110	P	10/07/2025	15:08	LB137447
	Iron	5120	5000	102	90 - 110	P	10/07/2025	15:08	LB137447
	Lead	4840	5000	97	90 - 110	P	10/07/2025	15:08	LB137447
	Magnesium	25100	25000	101	90 - 110	P	10/07/2025	15:08	LB137447
	Manganese	2510	2500	100	90 - 110	P	10/07/2025	15:08	LB137447
	Nickel	2430	2500	97	90 - 110	P	10/07/2025	15:08	LB137447
	Potassium	24200	25000	97	90 - 110	P	10/07/2025	15:08	LB137447
	Selenium	5070	5000	101	90 - 110	P	10/07/2025	15:08	LB137447
	Silver	1250	1250	100	90 - 110	P	10/07/2025	15:08	LB137447
	Sodium	23700	25000	95	90 - 110	P	10/07/2025	15:08	LB137447
	Thallium	4850	5000	97	90 - 110	P	10/07/2025	15:08	LB137447
	Vanadium	2540	2500	102	90 - 110	P	10/07/2025	15:08	LB137447
	Zinc	2520	2500	101	90 - 110	P	10/07/2025	15:08	LB137447
CCV04	Aluminum	9980	10000	100	90 - 110	P	10/07/2025	16:00	LB137447
	Antimony	5080	5000	102	90 - 110	P	10/07/2025	16:00	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

Contract: GENV01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3277

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	5090	5000	102	90 - 110	P	10/07/2025	16:00	LB137447
	Barium	9920	10000	99	90 - 110	P	10/07/2025	16:00	LB137447
	Beryllium	254	250	102	90 - 110	P	10/07/2025	16:00	LB137447
	Cadmium	2490	2500	100	90 - 110	P	10/07/2025	16:00	LB137447
	Calcium	25100	25000	100	90 - 110	P	10/07/2025	16:00	LB137447
	Chromium	1020	1000	102	90 - 110	P	10/07/2025	16:00	LB137447
	Cobalt	2480	2500	99	90 - 110	P	10/07/2025	16:00	LB137447
	Copper	1260	1250	101	90 - 110	P	10/07/2025	16:00	LB137447
	Iron	5080	5000	102	90 - 110	P	10/07/2025	16:00	LB137447
	Lead	4950	5000	99	90 - 110	P	10/07/2025	16:00	LB137447
	Magnesium	25200	25000	101	90 - 110	P	10/07/2025	16:00	LB137447
	Manganese	2530	2500	101	90 - 110	P	10/07/2025	16:00	LB137447
	Nickel	2480	2500	99	90 - 110	P	10/07/2025	16:00	LB137447
	Potassium	24300	25000	97	90 - 110	P	10/07/2025	16:00	LB137447
	Selenium	5180	5000	104	90 - 110	P	10/07/2025	16:00	LB137447
	Silver	1260	1250	101	90 - 110	P	10/07/2025	16:00	LB137447
	Sodium	23700	25000	95	90 - 110	P	10/07/2025	16:00	LB137447
	Thallium	5000	5000	100	90 - 110	P	10/07/2025	16:00	LB137447
	Vanadium	2540	2500	102	90 - 110	P	10/07/2025	16:00	LB137447
	Zinc	2550	2500	102	90 - 110	P	10/07/2025	16:00	LB137447
CCV05	Aluminum	9820	10000	98	90 - 110	P	10/07/2025	16:50	LB137447
	Antimony	4960	5000	99	90 - 110	P	10/07/2025	16:50	LB137447
	Arsenic	5000	5000	100	90 - 110	P	10/07/2025	16:50	LB137447
	Barium	9540	10000	95	90 - 110	P	10/07/2025	16:50	LB137447
	Beryllium	245	250	98	90 - 110	P	10/07/2025	16:50	LB137447
	Cadmium	2480	2500	99	90 - 110	P	10/07/2025	16:50	LB137447
	Calcium	24500	25000	98	90 - 110	P	10/07/2025	16:50	LB137447
	Chromium	1030	1000	103	90 - 110	P	10/07/2025	16:50	LB137447
	Cobalt	2450	2500	98	90 - 110	P	10/07/2025	16:50	LB137447
	Copper	1250	1250	100	90 - 110	P	10/07/2025	16:50	LB137447
	Iron	5320	5000	106	90 - 110	P	10/07/2025	16:50	LB137447
	Lead	4890	5000	98	90 - 110	P	10/07/2025	16:50	LB137447
	Magnesium	24700	25000	99	90 - 110	P	10/07/2025	16:50	LB137447
	Manganese	2430	2500	97	90 - 110	P	10/07/2025	16:50	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

Contract: GENV01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3277

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	2460	2500	98	90 - 110	P	10/07/2025	16:50	LB137447
	Potassium	26200	25000	105	90 - 110	P	10/07/2025	16:50	LB137447
	Selenium	5090	5000	102	90 - 110	P	10/07/2025	16:50	LB137447
	Silver	1280	1250	103	90 - 110	P	10/07/2025	16:50	LB137447
	Sodium	26000	25000	104	90 - 110	P	10/07/2025	16:50	LB137447
	Thallium	5150	5000	103	90 - 110	P	10/07/2025	16:50	LB137447
	Vanadium	2490	2500	99	90 - 110	P	10/07/2025	16:50	LB137447
	Zinc	2620	2500	105	90 - 110	P	10/07/2025	16:50	LB137447
CCV06	Aluminum	9870	10000	99	90 - 110	P	10/07/2025	17:49	LB137447
	Antimony	5030	5000	100	90 - 110	P	10/07/2025	17:49	LB137447
	Arsenic	5040	5000	101	90 - 110	P	10/07/2025	17:49	LB137447
	Barium	9460	10000	95	90 - 110	P	10/07/2025	17:49	LB137447
	Beryllium	244	250	98	90 - 110	P	10/07/2025	17:49	LB137447
	Cadmium	2460	2500	98	90 - 110	P	10/07/2025	17:49	LB137447
	Calcium	24400	25000	98	90 - 110	P	10/07/2025	17:49	LB137447
	Chromium	1000	1000	100	90 - 110	P	10/07/2025	17:49	LB137447
	Cobalt	2440	2500	98	90 - 110	P	10/07/2025	17:49	LB137447
	Copper	1250	1250	100	90 - 110	P	10/07/2025	17:49	LB137447
	Iron	4840	5000	97	90 - 110	P	10/07/2025	17:49	LB137447
	Lead	4880	5000	98	90 - 110	P	10/07/2025	17:49	LB137447
	Magnesium	24700	25000	99	90 - 110	P	10/07/2025	17:49	LB137447
	Manganese	2420	2500	97	90 - 110	P	10/07/2025	17:49	LB137447
	Nickel	2450	2500	98	90 - 110	P	10/07/2025	17:49	LB137447
	Potassium	25200	25000	101	90 - 110	P	10/07/2025	17:49	LB137447
	Selenium	5150	5000	103	90 - 110	P	10/07/2025	17:49	LB137447
	Silver	1230	1250	98	90 - 110	P	10/07/2025	17:49	LB137447
	Sodium	23800	25000	95	90 - 110	P	10/07/2025	17:49	LB137447
	Thallium	4750	5000	95	90 - 110	P	10/07/2025	17:49	LB137447
	Vanadium	2460	2500	98	90 - 110	P	10/07/2025	17:49	LB137447
	Zinc	2480	2500	99	90 - 110	P	10/07/2025	17:49	LB137447
CCV07	Aluminum	9840	10000	98	90 - 110	P	10/07/2025	18:44	LB137447
	Antimony	5100	5000	102	90 - 110	P	10/07/2025	18:44	LB137447
	Arsenic	5120	5000	102	90 - 110	P	10/07/2025	18:44	LB137447
	Barium	9570	10000	96	90 - 110	P	10/07/2025	18:44	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

Contract: GENV01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3277

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Beryllium	244	250	98	90 - 110	P	10/07/2025	18:44	LB137447
	Cadmium	2470	2500	99	90 - 110	P	10/07/2025	18:44	LB137447
	Calcium	24400	25000	98	90 - 110	P	10/07/2025	18:44	LB137447
	Chromium	997	1000	100	90 - 110	P	10/07/2025	18:44	LB137447
	Cobalt	2460	2500	98	90 - 110	P	10/07/2025	18:44	LB137447
	Copper	1260	1250	101	90 - 110	P	10/07/2025	18:44	LB137447
	Iron	4950	5000	99	90 - 110	P	10/07/2025	18:44	LB137447
	Lead	4920	5000	98	90 - 110	P	10/07/2025	18:44	LB137447
	Magnesium	24600	25000	98	90 - 110	P	10/07/2025	18:44	LB137447
	Manganese	2440	2500	98	90 - 110	P	10/07/2025	18:44	LB137447
	Nickel	2470	2500	99	90 - 110	P	10/07/2025	18:44	LB137447
	Potassium	24000	25000	96	90 - 110	P	10/07/2025	18:44	LB137447
	Selenium	5280	5000	106	90 - 110	P	10/07/2025	18:44	LB137447
	Silver	1230	1250	98	90 - 110	P	10/07/2025	18:44	LB137447
	Sodium	24600	25000	98	90 - 110	P	10/07/2025	18:44	LB137447
	Thallium	5050	5000	101	90 - 110	P	10/07/2025	18:44	LB137447
	Vanadium	2480	2500	99	90 - 110	P	10/07/2025	18:44	LB137447
	Zinc	2480	2500	99	90 - 110	P	10/07/2025	18:44	LB137447
CCV08	Aluminum	9510	10000	95	90 - 110	P	10/07/2025	19:20	LB137447
	Antimony	4850	5000	97	90 - 110	P	10/07/2025	19:20	LB137447
	Arsenic	4850	5000	97	90 - 110	P	10/07/2025	19:20	LB137447
	Barium	9160	10000	92	90 - 110	P	10/07/2025	19:20	LB137447
	Beryllium	238	250	95	90 - 110	P	10/07/2025	19:20	LB137447
	Cadmium	2370	2500	95	90 - 110	P	10/07/2025	19:20	LB137447
	Calcium	23500	25000	94	90 - 110	P	10/07/2025	19:20	LB137447
	Chromium	967	1000	97	90 - 110	P	10/07/2025	19:20	LB137447
	Cobalt	2360	2500	94	90 - 110	P	10/07/2025	19:20	LB137447
	Copper	1210	1250	96	90 - 110	P	10/07/2025	19:20	LB137447
	Iron	4810	5000	96	90 - 110	P	10/07/2025	19:20	LB137447
	Lead	4720	5000	94	90 - 110	P	10/07/2025	19:20	LB137447
	Magnesium	23900	25000	96	90 - 110	P	10/07/2025	19:20	LB137447
	Manganese	2350	2500	94	90 - 110	P	10/07/2025	19:20	LB137447
	Nickel	2360	2500	94	90 - 110	P	10/07/2025	19:20	LB137447
	Potassium	23100	25000	92	90 - 110	P	10/07/2025	19:20	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV08	Selenium	4950	5000	99	90 - 110	P	10/07/2025	19:20	LB137447
	Silver	1200	1250	96	90 - 110	P	10/07/2025	19:20	LB137447
	Sodium	24000	25000	96	90 - 110	P	10/07/2025	19:20	LB137447
	Thallium	4540	5000	91	90 - 110	P	10/07/2025	19:20	LB137447
	Vanadium	2380	2500	95	90 - 110	P	10/07/2025	19:20	LB137447
	Zinc	2420	2500	97	90 - 110	P	10/07/2025	19:20	LB137447

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.20	0.2	98	70 - 130	CV	10/06/2025	15:06	LB137429
CRI01	Aluminum	90.0	100	90	65 - 135	P	10/07/2025	12:10	LB137447
	Antimony	49.9	50.0	100	65 - 135	P	10/07/2025	12:10	LB137447
	Arsenic	17.7	20.0	88	65 - 135	P	10/07/2025	12:10	LB137447
	Barium	97.4	100	97	65 - 135	P	10/07/2025	12:10	LB137447
	Beryllium	6.27	6.0	104	65 - 135	P	10/07/2025	12:10	LB137447
	Cadmium	5.96	6.0	99	65 - 135	P	10/07/2025	12:10	LB137447
	Calcium	2040	2000	102	65 - 135	P	10/07/2025	12:10	LB137447
	Chromium	9.90	10.0	99	65 - 135	P	10/07/2025	12:10	LB137447
	Cobalt	29.6	30.0	99	65 - 135	P	10/07/2025	12:10	LB137447
	Copper	22.2	20.0	111	65 - 135	P	10/07/2025	12:10	LB137447
	Iron	123	100	123	65 - 135	P	10/07/2025	12:10	LB137447
	Lead	12.1	12.0	101	65 - 135	P	10/07/2025	12:10	LB137447
	Magnesium	2090	2000	104	65 - 135	P	10/07/2025	12:10	LB137447
	Manganese	20.9	20.0	105	65 - 135	P	10/07/2025	12:10	LB137447
	Nickel	40.1	40.0	100	65 - 135	P	10/07/2025	12:10	LB137447
	Potassium	1880	2000	94	65 - 135	P	10/07/2025	12:10	LB137447
	Selenium	22.6	20.0	113	65 - 135	P	10/07/2025	12:10	LB137447
	Silver	9.85	10.0	98	65 - 135	P	10/07/2025	12:10	LB137447
	Sodium	1910	2000	95	65 - 135	P	10/07/2025	12:10	LB137447
	Thallium	45.0	40.0	113	65 - 135	P	10/07/2025	12:10	LB137447
	Vanadium	37.6	40.0	94	65 - 135	P	10/07/2025	12:10	LB137447
	Zinc	37.9	40.0	95	65 - 135	P	10/07/2025	12:10	LB137447

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: <u>G Environmental</u>	SDG No.: <u>Q3277</u>
Contract: <u>GENV01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	243000	255000	95	216000	294000	10/07/2025	12:14	LB137447
	Antimony	-5.05			-50	50	10/07/2025	12:14	LB137447
	Arsenic	3.53			-20	20	10/07/2025	12:14	LB137447
	Barium	-8.30	6.0	138	-94	106	10/07/2025	12:14	LB137447
	Beryllium	1.74			-6	6	10/07/2025	12:14	LB137447
	Cadmium	2.40	1.0	240	-5	7	10/07/2025	12:14	LB137447
	Calcium	234000	245000	96	208000	282000	10/07/2025	12:14	LB137447
	Chromium	47.2	52.0	91	42	62	10/07/2025	12:14	LB137447
	Cobalt	1.06			-30	30	10/07/2025	12:14	LB137447
	Copper	13.8	2.0	690	-18	22	10/07/2025	12:14	LB137447
	Iron	94400	101000	94	85600	116500	10/07/2025	12:14	LB137447
	Lead	-1.11			-12	12	10/07/2025	12:14	LB137447
	Magnesium	246000	255000	96	216000	294000	10/07/2025	12:14	LB137447
	Manganese	6.71	7.0	96	-13	27	10/07/2025	12:14	LB137447
	Nickel	2.60	2.0	130	-38	42	10/07/2025	12:14	LB137447
	Potassium	-102			0	0	10/07/2025	12:14	LB137447
	Selenium	8.06			-20	20	10/07/2025	12:14	LB137447
	Silver	-0.34			-10	10	10/07/2025	12:14	LB137447
	Sodium	-109			0	0	10/07/2025	12:14	LB137447
	Thallium	33.6			-40	40	10/07/2025	12:14	LB137447
	Vanadium	-0.97			-40	40	10/07/2025	12:14	LB137447
	Zinc	-0.92			-40	40	10/07/2025	12:14	LB137447
ICSAB01	Aluminum	247000	247000	100	209000	285000	10/07/2025	12:37	LB137447
	Antimony	604	618	98	525	711	10/07/2025	12:37	LB137447
	Arsenic	107	104	103	88.4	120	10/07/2025	12:37	LB137447
	Barium	477	537	89	437	637	10/07/2025	12:37	LB137447
	Beryllium	496	495	100	420	570	10/07/2025	12:37	LB137447
	Cadmium	990	972	102	826	1120	10/07/2025	12:37	LB137447
	Calcium	231000	235000	98	199000	271000	10/07/2025	12:37	LB137447
	Chromium	540	542	100	460	624	10/07/2025	12:37	LB137447
	Cobalt	493	476	104	404	548	10/07/2025	12:37	LB137447
	Copper	489	511	96	434	588	10/07/2025	12:37	LB137447
	Iron	97100	99300	98	84400	114500	10/07/2025	12:37	LB137447
	Lead	50.4	49.0	103	37	61	10/07/2025	12:37	LB137447
	Magnesium	246000	248000	99	210000	286000	10/07/2025	12:37	LB137447
	Manganese	477	507	94	430	584	10/07/2025	12:37	LB137447
	Nickel	982	954	103	810	1100	10/07/2025	12:37	LB137447
	Potassium	-317			0	0	10/07/2025	12:37	LB137447
	Selenium	60.1	46.0	131	26	66	10/07/2025	12:37	LB137447
	Silver	205	201	102	170	232	10/07/2025	12:37	LB137447
	Sodium	-119			0	0	10/07/2025	12:37	LB137447
	Thallium	140	108	130	68	148	10/07/2025	12:37	LB137447

Metals

- 4 -

INTERFERENCE CHECK SAMPLE

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

ICS Source: EPA

Instrument ID: P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	475	491	97	417	565	10/07/2025	12:37	LB137447
	Zinc	1020	952	107	809	1095	10/07/2025	12:37	LB137447



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q3277
contract: GENV01 **lab code:** ACE
matrix: Solid **sample id:** Q3271-01 **client id:** 72-11929MS

Percent Solids for Sample: 90.1 **Spiked ID:** Q3271-01MS **Percent Solids for Spike Sample:** 90.1

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	14800		14700		100	92		P
Antimony	mg/Kg	75 - 125	12.5		2.35	U	40.4	31	N	P
Arsenic	mg/Kg	75 - 125	36.8		3.92		40.4	81		P
Barium	mg/Kg	75 - 125	117		118		10.1	-13		P
Beryllium	mg/Kg	75 - 125	9.25		1.33		10.1	78		P
Cadmium	mg/Kg	75 - 125	11.0		1.06		10.1	99		P
Calcium	mg/Kg	75 - 125	2050		2580		50.4	-1060		P
Chromium	mg/Kg	75 - 125	38.1		22.9		20.2	75		P
Cobalt	mg/Kg	75 - 125	26.0		18.9		10.1	71	N	P
Copper	mg/Kg	75 - 125	30.3		19.7		15.1	70	N	P
Iron	mg/Kg	75 - 125	30500		31600		150	-726		P
Lead	mg/Kg	75 - 125	71.9		26.2		50.4	91		P
Magnesium	mg/Kg	75 - 125	5640		5950		100	-315		P
Manganese	mg/Kg	75 - 125	577		629		10.1	-521		P
Nickel	mg/Kg	75 - 125	54.5		32.5		25.2	87		P
Potassium	mg/Kg	75 - 125	1990		1540		500	90		P
Selenium	mg/Kg	75 - 125	81.2		0.78	J	100	80		P
Silver	mg/Kg	75 - 125	4.19		0.87		3.8	88		P
Sodium	mg/Kg	75 - 125	281		168		150	76		P
Thallium	mg/Kg	75 - 125	94.1		1.88	U	100	94		P
Vanadium	mg/Kg	75 - 125	52.7		40.3		15.1	82		P
Zinc	mg/Kg	75 - 125	78.9		78.0		10.1	9		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q3277</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3271-01</u>	client id: <u>72-11929MSD</u>
Percent Solids for Sample: 90.1	Spiked ID: Q3271-01MSD	Percent Solids for Spike Sample: 90.1

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	14900		14700		99.1	234		P
Antimony	mg/Kg	75 - 125	12.1		2.35	U	39.6	31	N	P
Arsenic	mg/Kg	75 - 125	36.2		3.92		39.6	81		P
Barium	mg/Kg	75 - 125	112		118		9.9	-65		P
Beryllium	mg/Kg	75 - 125	9.27		1.33		9.9	80		P
Cadmium	mg/Kg	75 - 125	10.9		1.06		9.9	100		P
Calcium	mg/Kg	75 - 125	1920		2580		49.5	-1326		P
Chromium	mg/Kg	75 - 125	37.7		22.9		19.8	75		P
Cobalt	mg/Kg	75 - 125	25.1		18.9		9.9	63	N	P
Copper	mg/Kg	75 - 125	29.9		19.7		14.9	68	N	P
Iron	mg/Kg	75 - 125	30100		31600		150	-993		P
Lead	mg/Kg	75 - 125	70.4		26.2		49.5	89		P
Magnesium	mg/Kg	75 - 125	5590		5950		99.1	-372		P
Manganese	mg/Kg	75 - 125	536		629		9.9	-939		P
Nickel	mg/Kg	75 - 125	53.5		32.5		24.8	85		P
Potassium	mg/Kg	75 - 125	1920		1540		500	76		P
Selenium	mg/Kg	75 - 125	79.0		0.78	J	99.1	79		P
Silver	mg/Kg	75 - 125	4.06		0.87		3.7	86		P
Sodium	mg/Kg	75 - 125	283		168		150	77		P
Thallium	mg/Kg	75 - 125	87.1		1.88	U	99.1	88		P
Vanadium	mg/Kg	75 - 125	50.1		40.3		14.9	66	N	P
Zinc	mg/Kg	75 - 125	77.7		78.0		9.9	-2		P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q3277</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3290-01</u>	client id: <u>CL-02-100325MS</u>

Percent Solids for Sample: 95.3	Spiked ID: Q3290-01MS	Percent Solids for Spike Sample: 95.3
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Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.25		0.018		0.25	92		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q3277</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Solid</u>	sample id: <u>Q3290-01</u>	client id: <u>CL-02-100325MSD</u>

Percent Solids for Sample: 95.3	Spiked ID: Q3290-01MSD	Percent Solids for Spike Sample: 95.3
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Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.27		0.018		0.25	101		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q3277</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Level:	<u>LOW</u>
Sample ID:	<u>Q3271-01</u>	Client ID:	<u>72-11929A</u>
	Spiked ID:	<u>Q3271-01A</u>	

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	32.9		2.35	U	37.6	88		P
Cobalt	mg/Kg	75 - 125	29.3		18.9		9.40	111		P
Copper	mg/Kg	75 - 125	31.8		19.7		14.1	86		P
Vanadium	mg/Kg	75 - 125	53.1		40.3		14.1	91		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3277</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3271-01</u>	Client ID:	<u>72-11929DUP</u>
Percent Solids for Sample:	90.1	Duplicate ID	Q3271-01DUP	Percent Solids for Spike Sample:	90.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	14700		16600		12		P
Antimony	mg/Kg	20	2.35	U	2.57	U			P
Arsenic	mg/Kg	20	3.92		4.38		11		P
Barium	mg/Kg	20	118		130		10		P
Beryllium	mg/Kg	20	1.33		1.50		12		P
Cadmium	mg/Kg	20	1.06		1.40		28	*	P
Calcium	mg/Kg	20	2580		2860		10		P
Chromium	mg/Kg	20	22.9		25.1		9		P
Cobalt	mg/Kg	20	18.9		20.8		10		P
Copper	mg/Kg	20	19.7		21.4		8		P
Iron	mg/Kg	20	31600		33900		7		P
Lead	mg/Kg	20	26.2		28.8		9		P
Magnesium	mg/Kg	20	5950		6610		11		P
Manganese	mg/Kg	20	629		696		10		P
Nickel	mg/Kg	20	32.5		36.0		10		P
Potassium	mg/Kg	20	1540		1680		9		P
Selenium	mg/Kg	20	0.78	J	0.65	J	19		P
Silver	mg/Kg	20	0.87		0.76		13		P
Sodium	mg/Kg	20	168		186		10		P
Thallium	mg/Kg	20	1.88	U	2.06	U			P
Vanadium	mg/Kg	20	40.3		45.4		12		P
Zinc	mg/Kg	20	78.0		84.4		8		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3277</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3271-01MS</u>	Client ID:	<u>72-11929MSD</u>
Percent Solids for Sample:	90.1	Duplicate ID	Q3271-01MSD	Percent Solids for Spike Sample:	90.1

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	14800		14900		1		P
Antimony	mg/Kg	20	12.5		12.1		3		P
Arsenic	mg/Kg	20	36.8		36.2		2		P
Barium	mg/Kg	20	117		112		4		P
Beryllium	mg/Kg	20	9.25		9.27		0		P
Cadmium	mg/Kg	20	11.0		10.9		1		P
Calcium	mg/Kg	20	2050		1920		7		P
Chromium	mg/Kg	20	38.1		37.7		1		P
Cobalt	mg/Kg	20	26.0		25.1		4		P
Copper	mg/Kg	20	30.3		29.9		1		P
Iron	mg/Kg	20	30500		30100		1		P
Lead	mg/Kg	20	71.9		70.4		2		P
Magnesium	mg/Kg	20	5640		5590		1		P
Manganese	mg/Kg	20	577		536		7		P
Nickel	mg/Kg	20	54.5		53.5		2		P
Potassium	mg/Kg	20	1990		1920		4		P
Selenium	mg/Kg	20	81.2		79.0		3		P
Silver	mg/Kg	20	4.19		4.06		3		P
Sodium	mg/Kg	20	281		283		1		P
Thallium	mg/Kg	20	94.1		87.1		8		P
Vanadium	mg/Kg	20	52.7		50.1		5		P
Zinc	mg/Kg	20	78.9		77.7		2		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3277</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3290-01</u>	Client ID:	<u>CL-02-100325DUP</u>
Percent Solids for Sample:	95.3	Duplicate ID	Q3290-01DUP	Percent Solids for Spike Sample:	95.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.018		0.020		11		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3277</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q3290-01MS</u>	Client ID:	<u>CL-02-100325MSD</u>
Percent Solids for Sample:	95.3	Duplicate ID	Q3290-01MSD	Percent Solids for Spike Sample:	95.3

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.25		0.27		9		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client:	<u>G Environmental</u>	SDG No.:	<u>Q3277</u>
Contract:	<u>GENV01</u>	Lab Code:	<u>ACE</u>

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169979BS							
Aluminum	mg/Kg	100	97.8		98	80 - 120	P
Antimony	mg/Kg	40.0	41.0		102	80 - 120	P
Arsenic	mg/Kg	40.0	39.6		99	80 - 120	P
Barium	mg/Kg	10.0	9.09		91	80 - 120	P
Beryllium	mg/Kg	10.0	10.4		104	80 - 120	P
Cadmium	mg/Kg	10.0	9.53		95	80 - 120	P
Calcium	mg/Kg	50.0	50.3	J	101	80 - 120	P
Chromium	mg/Kg	20.0	22.1		110	80 - 120	P
Cobalt	mg/Kg	10.0	9.66		97	80 - 120	P
Copper	mg/Kg	15.0	15.5		103	80 - 120	P
Iron	mg/Kg	150	157		105	80 - 120	P
Lead	mg/Kg	50.0	47.4		95	80 - 120	P
Magnesium	mg/Kg	100	99.6	J	100	80 - 120	P
Manganese	mg/Kg	10.0	10.3		103	80 - 120	P
Nickel	mg/Kg	25.0	25.2		101	80 - 120	P
Potassium	mg/Kg	500	465		93	80 - 120	P
Selenium	mg/Kg	100	102		102	80 - 120	P
Silver	mg/Kg	3.8	3.78		100	80 - 120	P
Sodium	mg/Kg	150	131		87	80 - 120	P
Thallium	mg/Kg	100	84.5		84	80 - 120	P
Vanadium	mg/Kg	15.0	15.0		100	80 - 120	P
Zinc	mg/Kg	10.0	10.3		103	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169993BS Mercury	mg/Kg	0.27	0.25		91	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

72-11929L

Lab Name: Alliance **Contract:** GENV01
Lab Code: ACE **Lb No.:** lb137447 **Lab Sample ID :** Q3271-01L **SDG No.:** Q3277
Matrix (soil/water): Solid **Level (low/med):** LOW
Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
Aluminum	14700		17600		20		P
Antimony	2.35	U	11.8	U			P
Arsenic	3.92		3.29	J	16		P
Barium	118		137		16		P
Beryllium	1.33		1.79		34		P
Cadmium	1.06		0.64	J	39		P
Calcium	2580		3230		25		P
Chromium	22.9		28.9		26		P
Cobalt	18.9		18.8		0		P
Copper	19.7		27.9		42		P
Iron	31600		36800		17		P
Lead	26.2		27.0		3		P
Magnesium	5950		7340		23		P
Manganese	629		783		24		P
Nickel	32.5		33.1		2		P
Potassium	1540		1700		10		P
Selenium	0.78	J	4.70	U	100.0		P
Silver	0.87		2.35	U	100.0		P
Sodium	168		170	J	2		P
Thallium	1.88	U	9.41	U			P
Vanadium	40.3		49.5		23		P
Zinc	78.0		95.3		22		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

CL-02-100325L

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

Lb No.: lb137429

Lab Sample ID : Q3290-01L

SDG No.: Q3277

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.018	0.063 U	100.0		CV

metals
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ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: ACE

Sdg no.: Q3277

Instrument id number: _____

Method: _____

Run number: LB137429

Start date: 10/06/2025

End date: 10/06/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1439	HG
S0.2	S0.2	1	1442	HG
S2.5	S2.5	1	1445	HG
S5	S5	1	1447	HG
S7.5	S7.5	1	1449	HG
S10	S10	1	1452	HG
ICV59	ICV59	1	1456	HG
ICB59	ICB59	1	1458	HG
CCV83	CCV83	1	1501	HG
CCB83	CCB83	1	1503	HG
CRA	CRA	1	1506	HG
PB169993BL	PB169993BL	1	1513	HG
PB169993BS	PB169993BS	1	1516	HG
Q3277-01	WC1	1	1528	HG
CCV84	CCV84	1	1530	HG
CCB84	CCB84	1	1533	HG
Q3290-01DUP	CL-02-100325DUP	1	1547	HG
Q3290-01MS	CL-02-100325MS	1	1549	HG
Q3290-01MSD	CL-02-100325MSD	1	1552	HG
Q3290-01L	CL-02-100325L	5	1554	HG
CCV85	CCV85	1	1559	HG
CCB85	CCB85	1	1602	HG

metals
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ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: ACE

Sdg no.: Q3277

Instrument id number: _____

Method: _____

Run number: LB137447

Start date: 10/07/2025

End date: 10/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1029	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1034	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1038	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1042	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1046	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1050	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1054	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1201	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1206	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1210	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1214	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1237	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1250	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1258	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1419	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3271-01L	72-11929L	5	1440	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3271-01MS	72-11929MS	1	1444	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3271-01MSD	72-11929MSD	1	1448	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3271-01A	72-11929A	1	1452	Co,Cu,Sb,V
Q3277-01	WC1	1	1504	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1508	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q3271-01DUP	72-11929DUP	1	1538	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169979BL	PB169979BL	1	1552	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169979BS	PB169979BS	1	1556	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1600	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1604	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1650	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1701	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV06	CCV06	1	1749	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1844	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1848	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1920	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1924	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	-0.0075970	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		As	Ba	Be	Cd	Co
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0054900
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
Antimony	206.833	0.0122000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	-0.0000710	-0.0003400
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	-0.0007860
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0017400	-0.0100400
Vanadium	292.402	-0.0025100	0.0000000	0.0000000	0.0000000	-0.0072000
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	-0.0035600	-0.0007970	0.0000000	-0.0018900	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Cobalt	228.616	0.0000000	0.0018800	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	-0.0039700	0.0000000	-0.0115600	0.0000000
Vanadium	292.402	0.0000000	0.0005320	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

LAB CHRONICLE

OrderID:	Q3277	OrderDate:	10/2/2025 3:50:00 PM
Client:	G Environmental	Project:	Newport
Contact:	Gary Landis	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3277-01	WC1	SOIL			09/30/25			10/02/25
			Mercury	7471B		10/06/25	10/06/25	
			Metals ICP-TAL	6010D		10/03/25	10/07/25	
Q3277-02	WC1	TCLP			09/30/25			10/02/25
			TCLP ICP Metals	6010D		10/06/25	10/07/25	
			TCLP Mercury	7470A		10/06/25	10/07/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169979							
PB169979BL	PB169979BL	MB	SOLID	10/03/2025	2.00	100.0	100.00
PB169979BS	PB169979BS	LCS	SOLID	10/03/2025	2.00	100.0	100.00
Q3271-01DUP	72-11929DUP	DUP	SOLID	10/03/2025	2.16	100.0	90.10
Q3271-01MS	72-11929MS	MS	SOLID	10/03/2025	2.20	100.0	90.10
Q3271-01MSD	72-11929MSD	MSD	SOLID	10/03/2025	2.24	100.0	90.10
Q3277-01	WC1	SAM	SOLID	10/03/2025	2.30	100.0	97.60

Metals
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SAMPLE PREPARATION SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169993							
PB169993BL	PB169993BL	MB	SOLID	10/06/2025	0.54	35.0	100.00
PB169993BS	PB169993BS	LCS	SOLID	10/06/2025	0.52	35.0	100.00
Q3277-01	WC1	SAM	SOLID	10/06/2025	0.58	35.0	97.60
Q3290-01DUP	CL-02-100325DUP	DUP	SOLID	10/06/2025	0.58	35.0	95.30
Q3290-01MS	CL-02-100325MS	MS	SOLID	10/06/2025	0.59	35.0	95.30
Q3290-01MSD	CL-02-100325MSD	MSD	SOLID	10/06/2025	0.58	35.0	95.30

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137429

Review By	mohan	Review On	10/7/2025 4:12:40 PM
Supervise By	janvi	Supervise On	10/7/2025 11:28:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87442,MP874423,MP87444,MP87445,MP87447,MP87448		
ICV Standard	MP87449		
CCV Standard	MP87451		
ICSA Standard			
CRI Standard	MP87453		
LCS Standard			
Chk Standard	MP87450,MP87452,MP87454,MP87456		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/06/25 14:39		mohan	OK
2	S0.2	S0.2	CAL2	10/06/25 14:42		mohan	OK
3	S2.5	S2.5	CAL3	10/06/25 14:45		mohan	OK
4	S5	S5	CAL4	10/06/25 14:47		mohan	OK
5	S7.5	S7.5	CAL5	10/06/25 14:49		mohan	OK
6	S10	S10	CAL6	10/06/25 14:52		mohan	OK
7	ICV59	ICV59	ICV	10/06/25 14:56		mohan	OK
8	ICB59	ICB59	ICB	10/06/25 14:58		mohan	OK
9	CCV83	CCV83	CCV	10/06/25 15:01		mohan	OK
10	CCB83	CCB83	CCB	10/06/25 15:03		mohan	OK
11	CRA	CRA	CRDL	10/06/25 15:06		mohan	OK
12	HighStd	HighStd	HIGH STD	10/06/25 15:08		mohan	OK
13	ChkStd	ChkStd	SAM	10/06/25 15:10		mohan	OK
14	PB169993BL	PB169993BL	MB	10/06/25 15:13		mohan	OK
15	PB169993BS	PB169993BS	LCS	10/06/25 15:16		mohan	OK
16	Q3270-01	SG-1-TEST-PIT	SAM	10/06/25 15:18		mohan	OK
17	Q3271-01	72-11929	SAM	10/06/25 15:21		mohan	OK
18	Q3272-01	VNJ-235	SAM	10/06/25 15:23		mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137429

Review By	mohan	Review On	10/7/2025 4:12:40 PM
Supervise By	janvi	Supervise On	10/7/2025 11:28:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87442,MP874423,MP87444,MP87445,MP87447,MP87448		
ICV Standard	MP87449		
CCV Standard	MP87451		
ICSA Standard			
CRI Standard	MP87453		
LCS Standard			
Chk Standard	MP87450,MP87452,MP87454,MP87456		

19	Q3272-03	R7	SAM	10/06/25 15:25		mohan	OK
20	Q3277-01	WC1	SAM	10/06/25 15:28		mohan	OK
21	CCV84	CCV84	CCV	10/06/25 15:30		mohan	OK
22	CCB84	CCB84	CCB	10/06/25 15:33		mohan	OK
23	Q3288-01	TR-01-100325	SAM	10/06/25 15:36		mohan	OK
24	Q3289-01	VNJ-240	SAM	10/06/25 15:38		mohan	OK
25	Q3289-03	VNJ-261	SAM	10/06/25 15:40		mohan	OK
26	Q3289-05	72-11966	SAM	10/06/25 15:43		mohan	OK
27	Q3290-01	CL-02-100325	SAM	10/06/25 15:45		mohan	OK
28	Q3290-01DUP	CL-02-100325DUP	DUP	10/06/25 15:47		mohan	OK
29	Q3290-01MS	CL-02-100325MS	MS	10/06/25 15:49		mohan	OK
30	Q3290-01MSD	CL-02-100325MSD	MSD	10/06/25 15:52		mohan	OK
31	Q3290-01L	CL-02-100325L	SD	10/06/25 15:54		mohan	OK
32	Q3290-01A	CL-02-100325A	PS	10/06/25 15:57		mohan	OK
33	CCV85	CCV85	CCV	10/06/25 15:59		mohan	OK
34	CCB85	CCB85	CCB	10/06/25 16:02		mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/07/25 10:29		Jaswal	OK
2	S1	S1	CAL2	10/07/25 10:34		Jaswal	OK
3	S2	S2	CAL3	10/07/25 10:38		Jaswal	OK
4	S3	S3	CAL4	10/07/25 10:42		Jaswal	OK
5	S4	S4	CAL5	10/07/25 10:46		Jaswal	OK
6	S5	S5	CAL6	10/07/25 10:50		Jaswal	OK
7	ICV01	ICV01	ICV	10/07/25 10:54		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/07/25 12:01		Jaswal	OK
9	ICB01	ICB01	ICB	10/07/25 12:06		Jaswal	OK
10	CRI01	CRI01	CRDL	10/07/25 12:10		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/07/25 12:14		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/07/25 12:37		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/07/25 12:41		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/07/25 12:45		Jaswal	OK
15	CCV01	CCV01	CCV	10/07/25 12:50		Jaswal	OK
16	CCB01	CCB01	CCB	10/07/25 12:58		Jaswal	OK
17	Q3283-01	001-WILLETS-PT-BL	SAM	10/07/25 13:21		Jaswal	OK
18	Q3283-02	002-35TH-AVE(SEP)	SAM	10/07/25 13:25		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

19	Q3283-02DUP	002-35TH-AVE(SEP)DUP	10/07/25 13:29	Jaswal	OK
20	Q3283-02L	002-35TH-AVE(SEP)SD	10/07/25 13:33	Jaswal	OK
21	Q3283-02MS	002-35TH-AVE(SEP)MS	10/07/25 13:38	Jaswal	OK
22	Q3283-02MSD	002-35TH-AVE(SEP)MSD	10/07/25 13:42	Jaswal	OK
23	Q3283-02A	002-35TH-AVE(SEP)PS	10/07/25 13:46	Jaswal	OK
24	LR-1	LR-1	HIGH STD 10/07/25 13:50	Jaswal	OK
25	LR-3	LR-3	HIGH STD 10/07/25 13:59	Jaswal	OK
26	LR-2	LR-2	HIGH STD 10/07/25 14:10	Jaswal	OK
27	CCV02	CCV02	CCV 10/07/25 14:19	Jaswal	OK
28	CCB02	CCB02	CCB 10/07/25 14:24	Jaswal	OK
29	Q3270-01	SG-1-TEST-PIT	SAM 10/07/25 14:28	Jaswal	OK
30	Q3271-01	72-11929	SAM 10/07/25 14:32	Jaswal	OK
31	Q3271-01L	72-11929L	SD 10/07/25 14:40	Jaswal	OK
32	Q3271-01MS	72-11929MS	MS 10/07/25 14:44	Jaswal	OK
33	Q3271-01MSD	72-11929MSD	MSD 10/07/25 14:48	Jaswal	OK
34	Q3271-01A	72-11929A	PS 10/07/25 14:52	Jaswal	OK
35	Q3272-01	VNJ-235	SAM 10/07/25 14:56	Jaswal	OK
36	Q3272-03	R7	SAM 10/07/25 15:00	Ca is high, need dilution	Dilution
37	Q3277-01	WC1	SAM 10/07/25 15:04	Jaswal	OK
38	CCV03	CCV03	CCV 10/07/25 15:08	Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

39	CCB03	CCB03	CCB	10/07/25 15:12		Jaswal	OK
40	Q3269-03	EG1-TP1	SAM	10/07/25 15:17		Jaswal	OK
41	Q3269-06	EG1-TP2	SAM	10/07/25 15:21		Jaswal	OK
42	Q3281-01	001-WILLETS-PT-BL	SAM	10/07/25 15:26		Jaswal	OK
43	Q3281-02	002-35TH-AVE(OCT)	SAM	10/07/25 15:30		Jaswal	OK
44	Q3272-03DL	R7DL	SAM	10/07/25 15:34	25X for Ca	Jaswal	Confirms
45	Q3271-01DUP	72-11929DUP	DUP	10/07/25 15:38		Jaswal	OK
46	PB169982BL	PB169982BL	MB	10/07/25 15:43		Jaswal	OK
47	PB169982BS	PB169982BS	LCS	10/07/25 15:48		Jaswal	OK
48	PB169979BL	PB169979BL	MB	10/07/25 15:52		Jaswal	OK
49	PB169979BS	PB169979BS	LCS	10/07/25 15:56		Jaswal	OK
50	CCV04	CCV04	CCV	10/07/25 16:00		Jaswal	OK
51	CCB04	CCB04	CCB	10/07/25 16:04		Jaswal	OK
52	PB169996BS	PB169996BS	LCS	10/07/25 16:08		Jaswal	OK
53	Q3266-02	ENV-4-6FT	SAM	10/07/25 16:13		Jaswal	OK
54	Q3266-02DUP	ENV-4-6FTDUP	DUP	10/07/25 16:17		Jaswal	OK
55	Q3266-02L	ENV-4-6FTL	SD	10/07/25 16:20		Jaswal	OK
56	Q3266-02MS	ENV-4-6FTMS	MS	10/07/25 16:25		Jaswal	OK
57	Q3266-02MSD	ENV-4-6FTMSD	MSD	10/07/25 16:29		Jaswal	OK
58	Q3266-02A	ENV-4-6FTA	PS	10/07/25 16:33		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

59	Q3258-06DL	COMPOSITEDL	SAM	10/07/25 16:37	Not use	Jaswal	Not Ok
60	PB169971TB	PB169971TB	MB	10/07/25 16:41		Jaswal	OK
61	Q3262-03	MOO-25-0280	SAM	10/07/25 16:45		Jaswal	OK
62	CCV05	CCV05	CCV	10/07/25 16:50		Jaswal	OK
63	CCB05	CCB05	CCB	10/07/25 17:01		Jaswal	OK
64	Q3262-06	MOO-25-0281-82	SAM	10/07/25 17:05		Jaswal	OK
65	Q3262-09	279887	SAM	10/07/25 17:10		Jaswal	OK
66	Q3277-02	WC1	SAM	10/07/25 17:14		Jaswal	OK
67	Q3289-02	VNJ-240	SAM	10/07/25 17:19		Jaswal	OK
68	Q3289-04	VNJ-261	SAM	10/07/25 17:23		Jaswal	OK
69	Q3289-06	72-11966	SAM	10/07/25 17:27		Jaswal	OK
70	Q3289-06DUP	72-11966DUP	DUP	10/07/25 17:32		Jaswal	OK
71	Q3289-06L	72-11966L	SD	10/07/25 17:36		Jaswal	OK
72	Q3289-06MS	72-11966MS	MS	10/07/25 17:40		Jaswal	OK
73	Q3289-06MSD	72-11966MSD	MSD	10/07/25 17:44		Jaswal	OK
74	CCV06	CCV06	CCV	10/07/25 17:49		Jaswal	OK
75	CCB06	CCB06	CCB	10/07/25 17:59		Jaswal	OK
76	Q3289-06A	72-11966A	PS	10/07/25 18:03		Jaswal	OK
77	Q3287-02	TSS-25-0001-0002	SAM	10/07/25 18:07		Jaswal	OK
78	PB169996BL	PB169996BL	MB	10/07/25 18:11		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

79	PB169983BL	PB169983BL	MB	10/07/25 18:15		Jaswal	OK
80	PB169983BS	PB169983BS	LCS	10/07/25 18:20		Jaswal	OK
81	Q3288-01	TR-01-100325	SAM	10/07/25 18:24		Jaswal	OK
82	Q3289-01	VNJ-240	SAM	10/07/25 18:28		Jaswal	OK
83	Q3289-03	VNJ-261	SAM	10/07/25 18:32		Jaswal	OK
84	Q3289-05	72-11966	SAM	10/07/25 18:36		Jaswal	OK
85	Q3290-01	CL-02-100325	SAM	10/07/25 18:40		Jaswal	OK
86	CCV07	CCV07	CCV	10/07/25 18:44		Jaswal	OK
87	CCB07	CCB07	CCB	10/07/25 18:48		Jaswal	OK
88	Q3290-01DUP	CL-02-100325DUP	DUP	10/07/25 18:52		Jaswal	OK
89	Q3290-01L	CL-02-100325L	SD	10/07/25 18:56		Jaswal	OK
90	Q3290-01MS	CL-02-100325MS	MS	10/07/25 19:00		Jaswal	OK
91	Q3290-01MSD	CL-02-100325MSD	MSD	10/07/25 19:04		Jaswal	OK
92	Q3290-01A	CL-02-100325A	PS	10/07/25 19:08		Jaswal	OK
93	Q3257-01DL	ENV1-6FTDL	SAM	10/07/25 19:12	5X for Ag	Jaswal	Confirms
94	Q3257-02DL	ENV2-6FTDL	SAM	10/07/25 19:16	5X for Ag	Jaswal	Confirms
95	CCV08	CCV08	CCV	10/07/25 19:20		Jaswal	OK
96	CCB08	CCB08	CCB	10/07/25 19:24		Jaswal	OK

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 10/03/2025 Time : 10:30 Temp : 96 °C

End Digest Date: 10/03/2025 Time : 12:35 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: *SKS*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6180
LFS-2	1.00	M6181
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	5.00	M6158
1:1 HNO3	10.00	MP85156
30% H2O2	3.00	M6170
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#2 CELL#35 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/2025 13:35	<i>SKS metals</i>	<i>SKS metals lab</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB169979BL	PBS979	N/A	2.00	100	Colorless	Colorless	Fine	No	N/A	1
PB169979BS	LCS979	N/A	2.00	100	Colorless	Colorless	Fine	No	M6180,M6181	2
Q3270-01	SG-1-TEST-PIT	N/A	2.44	100	Brown	Yellow	Medium	No	N/A	3
Q3271-01	72-11929	N/A	2.36	100	Brown	Yellow	Medium	No	N/A	4
Q3271-01MS	72-11929MS	N/A	2.20	100	Brown	Yellow	Medium	No	M6180,M6181	6
Q3271-01MSD	72-11929MSD	N/A	2.24	100	Brown	Yellow	Medium	No	M6180,M6181	7
Q3271-01DUP	72-11929DUP	N/A	2.16	100	Brown	Yellow	Medium	No	N/A	5
Q3272-01	VNJ-235	N/A	2.34	100	Brown	Yellow	Medium	No	N/A	8
Q3272-03	R7	N/A	2.33	100	Brown	Yellow	Medium	No	N/A	9
Q3277-01	WC1	N/A	2.30	100	Brown	Yellow	Medium	No	N/A	10

SOP ID : M7471B-Mercury-19

SDG No : NA

Start Digest Date: 10/06/2025 Time : 09:25 Temp : 94 °C

Matrix : SOIL

End Digest Date: 10/06/2025 Time : 09:55 Temp : 95 °C

Pipette ID: HG B

Digestion tube ID: M5595

Balance ID : M SC-3

Block thermometer ID: HG-DIG#3

Filter paper ID : NA

Dig Technician Signature: *MS*

pH Strip ID : NA

Supervisor Signature: *12*

Hood ID : #1

Temp : 1. 94°C 2. N/A

Block ID: 1. HG HOT BLOCK#3 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP87449
CCV	30mL	MP87451
CRA	30mL	MP87453
Blank Spike	0.48mL	MP87441
Matrix Spike	0.48mL	MP87441

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5ML	MP87455
KMnO4 (5%)	4.5mL	MP87072
Hydroxylamine HCL (12%)	2.0ML	MP87149
PTFE Boiling Stones	-----	M5582
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP87442
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP87443
2.5 ppb	S2.5	30mL	MP87444
5.0 ppb	S5.0	30mL	MP87445
7.5 ppb	S7.5	30mL	MP87447
10.0 ppb	S10.0	30mL	MP87448
ICV	ICV	30mL	MP87449
ICB	ICB	30mL	MP87450
CCV	CCV	30mL	MP87451
CCB	CCB	30mL	MP87452
CRI	CRI	30mL	MP87453
CHK STD	CHK STD	30mL	MP87454

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/06/25 10:35	<i>MS, N/A, LMS</i>	<i>MS, sample LMS</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB169993BL	PBS993	0.54	35	NA	N/A	3-1
PB169993BS	LCS993	0.52	35	NA	MP87441	2
Q3270-01	SG-1-TEST-PIT	0.51	35	NA	N/A	3
Q3271-01	72-11929	0.59	35	NA	N/A	4
Q3272-01	VNJ-235	0.58	35	NA	N/A	5
Q3272-03	R7	0.55	35	NA	N/A	6
Q3277-01	WC1	0.58	35	NA	N/A	7
Q3288-01	TR-01-100325	0.58	35	NA	N/A	8
Q3289-01	VNJ-240	0.57	35	NA	N/A	9
Q3289-03	VNJ-261	0.51	35	NA	N/A	10
Q3289-05	72-11966	0.59	35	NA	N/A	11
Q3290-01	CL-02-100325	0.58	35	NA	N/A	12
Q3290-01DUP	CL-02-100325DUP	0.58	35	NA	N/A	13
Q3290-01MS	CL-02-100325MS	0.59	35	NA	MP87441	14
Q3290-01MSD	CL-02-100325MSD	0.58	35	NA	MP87441	15



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q3277
Client: G Environmental

Order ID: Q3277
Project ID: Newport

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WC1								
Q3277-02	WC1	TCLP	Barium	800		72.8	500	ug/L
Q3277-02	WC1	TCLP	Chromium	13.7	J	10.6	50.0	ug/L
Q3277-02	WC1	TCLP	Lead	47.2	J	11.5	60.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-02	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	25.6	U	1	25.6	100	ug/L	10/06/25 12:30	10/07/25 17:14	6010D	SW3050
7440-39-3	Barium	800		1	72.8	500	ug/L	10/06/25 12:30	10/07/25 17:14	6010D	SW3050
7440-43-9	Cadmium	2.50	U	1	2.50	30.0	ug/L	10/06/25 12:30	10/07/25 17:14	6010D	SW3050
7440-47-3	Chromium	13.7	J	1	10.6	50.0	ug/L	10/06/25 12:30	10/07/25 17:14	6010D	SW3050
7439-92-1	Lead	47.2	J	1	11.5	60.0	ug/L	10/06/25 12:30	10/07/25 17:14	6010D	SW3050
7439-97-6	Mercury	0.76	U	1	0.76	2.00	ug/L	10/06/25 14:20	10/07/25 10:50	7470A	
7782-49-2	Selenium	48.2	U	1	48.2	100	ug/L	10/06/25 12:30	10/07/25 17:14	6010D	SW3050
7440-22-4	Silver	8.10	U	1	8.10	50.0	ug/L	10/06/25 12:30	10/07/25 17:14	6010D	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCLP METALS			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N = Spiked sample recovery not within control limits



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB61	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	10:06	LB137441

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB90	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	10:11	LB137441
CCB91	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	10:47	LB137441
CCB92	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	11:16	LB137441
CCB93	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	11:39	LB137441
CCB94	Mercury	0.076	+/-0.2	U	0.20	CV	10/07/2025	11:57	LB137441

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	12:06	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	12:06	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	12:06	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	12:06	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	12:06	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	12:06	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	12:06	LB137447

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	12:58	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	12:58	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	12:58	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	12:58	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	12:58	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	12:58	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	12:58	LB137447
CCB02	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	14:24	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	14:24	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	14:24	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	14:24	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	14:24	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	14:24	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	14:24	LB137447
CCB03	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	15:12	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	15:12	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	15:12	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	15:12	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	15:12	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	15:12	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	15:12	LB137447
CCB04	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	16:04	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	16:04	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	16:04	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	16:04	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	16:04	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	16:04	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	16:04	LB137447
CCB05	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	17:01	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	17:01	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	17:01	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	17:01	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	17:01	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	17:01	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	17:01	LB137447
CCB06	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	17:59	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	17:59	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	17:59	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	17:59	LB137447

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Lead	2.30	+/-6	U	12.0	P	10/07/2025	17:59	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	17:59	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	17:59	LB137447
CCB07	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	18:48	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	18:48	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	18:48	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	18:48	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	18:48	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	18:48	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	18:48	LB137447
CCB08	Arsenic	5.12	+/-10	U	20.0	P	10/07/2025	19:24	LB137447
	Barium	14.6	+/-50	U	100	P	10/07/2025	19:24	LB137447
	Cadmium	0.50	+/-3	U	6.00	P	10/07/2025	19:24	LB137447
	Chromium	2.12	+/-5	U	10.0	P	10/07/2025	19:24	LB137447
	Lead	2.30	+/-6	U	12.0	P	10/07/2025	19:24	LB137447
	Selenium	9.64	+/-10	U	20.0	P	10/07/2025	19:24	LB137447
	Silver	1.62	+/-5	U	10.0	P	10/07/2025	19:24	LB137447

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169971TB		WATER		Batch Number:	PB169997		Prep Date:	10/06/2025	
	Mercury	0.76	<2	U	2.00	CV	10/07/2025	11:41	LB137441
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169997BL		WATER		Batch Number:	PB169997		Prep Date:	10/06/2025	
	Mercury	0.076	<0.2	U	0.20	CV	10/07/2025	10:26	LB137441

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental

SDG No.: Q3277

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169971TB		WATER		Batch Number:	PB169996		Prep Date:	10/06/2025	
	Arsenic	25.6	<50	U	100	P	10/07/2025	16:41	LB137447
	Barium	72.8	<250	U	500	P	10/07/2025	16:41	LB137447
	Cadmium	2.50	<15	U	30.0	P	10/07/2025	16:41	LB137447
	Chromium	10.6	<25	U	50.0	P	10/07/2025	16:41	LB137447
	Lead	11.5	<30	U	60.0	P	10/07/2025	16:41	LB137447
	Selenium	48.2	<50	U	100	P	10/07/2025	16:41	LB137447
	Silver	8.10	<25	U	50.0	P	10/07/2025	16:41	LB137447
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169996BL		WATER		Batch Number:	PB169996		Prep Date:	10/06/2025	
	Arsenic	25.6	<50	U	100	P	10/07/2025	18:11	LB137447
	Barium	72.8	<250	U	500	P	10/07/2025	18:11	LB137447
	Cadmium	2.50	<15	U	30.0	P	10/07/2025	18:11	LB137447
	Chromium	10.6	<25	U	50.0	P	10/07/2025	18:11	LB137447
	Lead	11.5	<30	U	60.0	P	10/07/2025	18:11	LB137447
	Selenium	48.2	<50	U	100	P	10/07/2025	18:11	LB137447
	Silver	8.10	<25	U	50.0	P	10/07/2025	18:11	LB137447



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV61	Mercury	3.79	4.0	95	90 - 110	CV	10/07/2025	10:04	LB137441

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV90	Mercury	4.93	5.0	99	90 - 110	CV	10/07/2025	10:09	LB137441
CCV91	Mercury	4.88	5.0	98	90 - 110	CV	10/07/2025	10:45	LB137441
CCV92	Mercury	4.57	5.0	91	90 - 110	CV	10/07/2025	11:13	LB137441
CCV93	Mercury	4.74	5.0	95	90 - 110	CV	10/07/2025	11:37	LB137441
CCV94	Mercury	4.84	5.0	97	90 - 110	CV	10/07/2025	11:53	LB137441

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	4000	4000	100	90 - 110	P	10/07/2025	10:54	LB137447
	Barium	7940	8000	99	90 - 110	P	10/07/2025	10:54	LB137447
	Cadmium	1980	2000	99	90 - 110	P	10/07/2025	10:54	LB137447
	Chromium	817	800	102	90 - 110	P	10/07/2025	10:54	LB137447
	Lead	3890	4000	97	90 - 110	P	10/07/2025	10:54	LB137447
	Selenium	4000	4000	100	90 - 110	P	10/07/2025	10:54	LB137447
	Silver	1030	1000	103	90 - 110	P	10/07/2025	10:54	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	18.4	20.0	92	80 - 120	P	10/07/2025	12:01	LB137447
	Barium	95.7	100	96	80 - 120	P	10/07/2025	12:01	LB137447
	Cadmium	5.85	6.0	98	80 - 120	P	10/07/2025	12:01	LB137447
	Chromium	9.65	10.0	96	80 - 120	P	10/07/2025	12:01	LB137447
	Lead	11.1	12.0	93	80 - 120	P	10/07/2025	12:01	LB137447
	Selenium	23.6	20.0	118	80 - 120	P	10/07/2025	12:01	LB137447
	Silver	9.88	10.0	99	80 - 120	P	10/07/2025	12:01	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

Contract: GENV01

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

SDG No.: Q3277

Lab Code: ACE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5080	5000	102	90 - 110	P	10/07/2025	12:50	LB137447
	Barium	9980	10000	100	90 - 110	P	10/07/2025	12:50	LB137447
	Cadmium	2510	2500	100	90 - 110	P	10/07/2025	12:50	LB137447
	Chromium	1030	1000	103	90 - 110	P	10/07/2025	12:50	LB137447
	Lead	4980	5000	100	90 - 110	P	10/07/2025	12:50	LB137447
	Selenium	5150	5000	103	90 - 110	P	10/07/2025	12:50	LB137447
	Silver	1280	1250	103	90 - 110	P	10/07/2025	12:50	LB137447
CCV02	Arsenic	5080	5000	102	90 - 110	P	10/07/2025	14:19	LB137447
	Barium	9770	10000	98	90 - 110	P	10/07/2025	14:19	LB137447
	Cadmium	2510	2500	100	90 - 110	P	10/07/2025	14:19	LB137447
	Chromium	1030	1000	103	90 - 110	P	10/07/2025	14:19	LB137447
	Lead	4960	5000	99	90 - 110	P	10/07/2025	14:19	LB137447
	Selenium	5190	5000	104	90 - 110	P	10/07/2025	14:19	LB137447
	Silver	1290	1250	103	90 - 110	P	10/07/2025	14:19	LB137447
CCV03	Arsenic	4970	5000	99	90 - 110	P	10/07/2025	15:08	LB137447
	Barium	9860	10000	99	90 - 110	P	10/07/2025	15:08	LB137447
	Cadmium	2440	2500	98	90 - 110	P	10/07/2025	15:08	LB137447
	Chromium	1010	1000	101	90 - 110	P	10/07/2025	15:08	LB137447
	Lead	4840	5000	97	90 - 110	P	10/07/2025	15:08	LB137447
	Selenium	5070	5000	101	90 - 110	P	10/07/2025	15:08	LB137447
	Silver	1250	1250	100	90 - 110	P	10/07/2025	15:08	LB137447
CCV04	Arsenic	5090	5000	102	90 - 110	P	10/07/2025	16:00	LB137447
	Barium	9920	10000	99	90 - 110	P	10/07/2025	16:00	LB137447
	Cadmium	2490	2500	100	90 - 110	P	10/07/2025	16:00	LB137447
	Chromium	1020	1000	102	90 - 110	P	10/07/2025	16:00	LB137447
	Lead	4950	5000	99	90 - 110	P	10/07/2025	16:00	LB137447
	Selenium	5180	5000	104	90 - 110	P	10/07/2025	16:00	LB137447
	Silver	1260	1250	101	90 - 110	P	10/07/2025	16:00	LB137447
CCV05	Arsenic	5000	5000	100	90 - 110	P	10/07/2025	16:50	LB137447
	Barium	9540	10000	95	90 - 110	P	10/07/2025	16:50	LB137447
	Cadmium	2480	2500	99	90 - 110	P	10/07/2025	16:50	LB137447
	Chromium	1030	1000	103	90 - 110	P	10/07/2025	16:50	LB137447
	Lead	4890	5000	98	90 - 110	P	10/07/2025	16:50	LB137447
	Selenium	5090	5000	102	90 - 110	P	10/07/2025	16:50	LB137447

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Silver	1280	1250	103	90 - 110	P	10/07/2025	16:50	LB137447
CCV06	Arsenic	5040	5000	101	90 - 110	P	10/07/2025	17:49	LB137447
	Barium	9460	10000	95	90 - 110	P	10/07/2025	17:49	LB137447
	Cadmium	2460	2500	98	90 - 110	P	10/07/2025	17:49	LB137447
	Chromium	1000	1000	100	90 - 110	P	10/07/2025	17:49	LB137447
	Lead	4880	5000	98	90 - 110	P	10/07/2025	17:49	LB137447
	Selenium	5150	5000	103	90 - 110	P	10/07/2025	17:49	LB137447
	Silver	1230	1250	98	90 - 110	P	10/07/2025	17:49	LB137447
CCV07	Arsenic	5120	5000	102	90 - 110	P	10/07/2025	18:44	LB137447
	Barium	9570	10000	96	90 - 110	P	10/07/2025	18:44	LB137447
	Cadmium	2470	2500	99	90 - 110	P	10/07/2025	18:44	LB137447
	Chromium	997	1000	100	90 - 110	P	10/07/2025	18:44	LB137447
	Lead	4920	5000	98	90 - 110	P	10/07/2025	18:44	LB137447
	Selenium	5280	5000	106	90 - 110	P	10/07/2025	18:44	LB137447
	Silver	1230	1250	98	90 - 110	P	10/07/2025	18:44	LB137447
CCV08	Arsenic	4850	5000	97	90 - 110	P	10/07/2025	19:20	LB137447
	Barium	9160	10000	92	90 - 110	P	10/07/2025	19:20	LB137447
	Cadmium	2370	2500	95	90 - 110	P	10/07/2025	19:20	LB137447
	Chromium	967	1000	97	90 - 110	P	10/07/2025	19:20	LB137447
	Lead	4720	5000	94	90 - 110	P	10/07/2025	19:20	LB137447
	Selenium	4950	5000	99	90 - 110	P	10/07/2025	19:20	LB137447
	Silver	1200	1250	96	90 - 110	P	10/07/2025	19:20	LB137447



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Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.18	0.2	92	70 - 130	CV	10/07/2025	10:13	LB137441
CRI01	Arsenic	17.7	20.0	88	65 - 135	P	10/07/2025	12:10	LB137447
	Barium	97.4	100	97	65 - 135	P	10/07/2025	12:10	LB137447
	Cadmium	5.96	6.0	99	65 - 135	P	10/07/2025	12:10	LB137447
	Chromium	9.90	10.0	99	65 - 135	P	10/07/2025	12:10	LB137447
	Lead	12.1	12.0	101	65 - 135	P	10/07/2025	12:10	LB137447
	Selenium	22.6	20.0	113	65 - 135	P	10/07/2025	12:10	LB137447
	Silver	9.85	10.0	98	65 - 135	P	10/07/2025	12:10	LB137447

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>G Environmental</u>	SDG No.: <u>Q3277</u>
Contract: <u>GENV01</u>	Lab Code: <u>ACE</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	3.53			-20	20	10/07/2025	12:14	LB137447
	Barium	-8.30	6.0	138	-94	106	10/07/2025	12:14	LB137447
	Cadmium	2.40	1.0	240	-5	7	10/07/2025	12:14	LB137447
	Chromium	47.2	52.0	91	42	62	10/07/2025	12:14	LB137447
	Lead	-1.11			-12	12	10/07/2025	12:14	LB137447
	Selenium	8.06			-20	20	10/07/2025	12:14	LB137447
	Silver	-0.34			-10	10	10/07/2025	12:14	LB137447
ICSAB01	Arsenic	107	104	103	88.4	120	10/07/2025	12:37	LB137447
	Barium	477	537	89	437	637	10/07/2025	12:37	LB137447
	Cadmium	990	972	102	826	1120	10/07/2025	12:37	LB137447
	Chromium	540	542	100	460	624	10/07/2025	12:37	LB137447
	Lead	50.4	49.0	103	37	61	10/07/2025	12:37	LB137447
	Selenium	60.1	46.0	131	26	66	10/07/2025	12:37	LB137447
	Silver	205	201	102	170	232	10/07/2025	12:37	LB137447



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q3277</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3289-06</u>	client id: <u>72-11966MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3289-06MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3810		100	U	4000	95		P
Barium	ug/L	75 - 125	1390		441	J	1000	95		P
Cadmium	ug/L	75 - 125	911		30.0	U	1000	91		P
Chromium	ug/L	75 - 125	1890		50.0	U	2000	94		P
Lead	ug/L	75 - 125	4360		60.0	U	5000	87		P
Mercury	ug/L	75 - 125	41.8		2.00	U	40.0	104		CV
Selenium	ug/L	75 - 125	9760		100	U	10000	98		P
Silver	ug/L	75 - 125	335		50.0	U	380	88		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>G Environmental</u>	level: <u>low</u>	sdg no.: <u>Q3277</u>
contract: <u>GENV01</u>		lab code: <u>ACE</u>
matrix: <u>Water</u>	sample id: <u>Q3289-06</u>	client id: <u>72-11966MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>Q3289-06MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4040		100	U	4000	101		P
Barium	ug/L	75 - 125	1690		441	J	1000	125		P
Cadmium	ug/L	75 - 125	965		30.0	U	1000	96		P
Chromium	ug/L	75 - 125	1960		50.0	U	2000	98		P
Lead	ug/L	75 - 125	4620		60.0	U	5000	92		P
Mercury	ug/L	75 - 125	42.8		2.00	U	40.0	107		CV
Selenium	ug/L	75 - 125	10400		100	U	10000	104		P
Silver	ug/L	75 - 125	357		50.0	U	380	94		P



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Metals
- 5b -

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Matrix:

Level: LOW

Client ID:

Sample ID:

Spiked ID:

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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- A
- B
- C
- D
- E
- F
- G
- H
- I
- J

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3277</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3289-06</u>	Client ID:	<u>72-11966DUP</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3289-06DUP	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	441	J	639		37		P
Cadmium	ug/L	20	30.0	U	30.0	U			P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>G Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q3277</u>
Contract:	<u>GENV01</u>			Lab Code:	<u>ACE</u>
Matrix:	<u>Water</u>	Sample ID:	<u>Q3289-06MS</u>	Client ID:	<u>72-11966MSD</u>
Percent Solids for Sample:	NA	Duplicate ID	Q3289-06MSD	Percent Solids for Spike Sample:	NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3810		4040		6		P
Barium	ug/L	20	1390		1690		19		P
Cadmium	ug/L	20	911		965		6		P
Chromium	ug/L	20	1890		1960		4		P
Lead	ug/L	20	4360		4620		6		P
Mercury	ug/L	20	41.8		42.8		2		CV
Selenium	ug/L	20	9760		10400		6		P
Silver	ug/L	20	335		357		6		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169996BS							
Arsenic	ug/L	4000	4050		101	80 - 120	P
Barium	ug/L	1000	871		87	80 - 120	P
Cadmium	ug/L	1000	960		96	80 - 120	P
Chromium	ug/L	2000	2040		102	80 - 120	P
Lead	ug/L	5000	4760		95	80 - 120	P
Selenium	ug/L	10000	10500		105	80 - 120	P
Silver	ug/L	380	380		100	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169997BS Mercury	ug/L	4.0	4.10		102	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

72-11966L

Lab Name: Alliance **Contract:** GENV01
Lab Code: ACE **Lb No.:** lb137447 **Lab Sample ID :** Q3289-06L **SDG No.:** Q3277
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence		Q	M
Arsenic	100	U	500	U				P
Barium	441	J	2500	U	100.0			P
Cadmium	30.0	U	150	U				P
Chromium	50.0	U	250	U				P
Lead	60.0	U	300	U				P
Mercury	2.00	U	10.0	U				CV
Selenium	100	U	500	U				P
Silver	50.0	U	250	U				P

metals
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ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: ACE

Sdg no.: Q3277

Instrument id number: _____

Method: _____

Run number: LB137441

Start date: 10/07/2025

End date: 10/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0947	HG
S0.2	S0.2	1	0949	HG
S2.5	S2.5	1	0952	HG
S5	S5	1	0954	HG
S7.5	S7.5	1	0956	HG
S10	S10	1	1001	HG
ICV61	ICV61	1	1004	HG
ICB61	ICB61	1	1006	HG
CCV90	CCV90	1	1009	HG
CCB90	CCB90	1	1011	HG
CRA	CRA	1	1013	HG
PB169997BL	PB169997BL	1	1026	HG
PB169997BS	PB169997BS	1	1031	HG
CCV91	CCV91	1	1045	HG
CCB91	CCB91	1	1047	HG
Q3277-02	WC1	1	1050	HG
Q3289-06DUP	72-11966DUP	1	1101	HG
Q3289-06MS	72-11966MS	1	1103	HG
Q3289-06MSD	72-11966MSD	1	1105	HG
CCV92	CCV92	1	1113	HG
CCB92	CCB92	1	1116	HG
CCV93	CCV93	1	1137	HG
CCB93	CCB93	1	1139	HG
PB169971TB	PB169971TB	1	1141	HG
Q3289-06L	72-11966L	5	1144	HG
CCV94	CCV94	1	1153	HG
CCB94	CCB94	1	1157	HG

metals
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ANALYSIS RUN LOG

Client: G Environmental

Contract: GENV01

Lab code: ACE

Sdg no.: Q3277

Instrument id number: _____

Method: _____

Run number: LB137447

Start date: 10/07/2025

End date: 10/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1029	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1034	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1038	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1042	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1046	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1050	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1054	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1201	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1206	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1210	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1214	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1237	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1250	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1258	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1419	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1424	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1508	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1512	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1600	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1604	Ag,As,Ba,Cd,Cr,Pb,Se
PB169996BS	PB169996BS	1	1608	Ag,As,Ba,Cd,Cr,Pb,Se
PB169971TB	PB169971TB	1	1641	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1650	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1701	Ag,As,Ba,Cd,Cr,Pb,Se
Q3277-02	WC1	1	1714	Ag,As,Ba,Cd,Cr,Pb,Se
Q3289-06DUP	72-11966DUP	1	1732	Ag,As,Ba,Cd,Cr,Pb,Se
Q3289-06L	72-11966L	5	1736	Ag,As,Ba,Cd,Cr,Pb,Se
Q3289-06MS	72-11966MS	1	1740	Ag,As,Ba,Cd,Cr,Pb,Se
Q3289-06MSD	72-11966MSD	1	1744	Ag,As,Ba,Cd,Cr,Pb,Se
CCV06	CCV06	1	1749	Ag,As,Ba,Cd,Cr,Pb,Se
CCB06	CCB06	1	1759	Ag,As,Ba,Cd,Cr,Pb,Se
PB169996BL	PB169996BL	1	1811	Ag,As,Ba,Cd,Cr,Pb,Se
CCV07	CCV07	1	1844	Ag,As,Ba,Cd,Cr,Pb,Se
CCB07	CCB07	1	1848	Ag,As,Ba,Cd,Cr,Pb,Se
CCV08	CCV08	1	1920	Ag,As,Ba,Cd,Cr,Pb,Se
CCB08	CCB08	1	1924	Ag,As,Ba,Cd,Cr,Pb,Se



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000

LAB CHRONICLE

OrderID:	Q3277	OrderDate:	10/2/2025 3:50:00 PM
Client:	G Environmental	Project:	Newport
Contact:	Gary Landis	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3277-02	WC1	TCLP			09/30/25			10/02/25
			TCLP ICP Metals	6010D		10/06/25	10/07/25	
			TCLP Mercury	7470A		10/06/25	10/07/25	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169996							
PB169971TB	PB169971TB	MB	WATER	10/06/2025	5.0	25.0	
PB169996BL	PB169996BL	MB	WATER	10/06/2025	5.0	25.0	
PB169996BS	PB169996BS	LCS	WATER	10/06/2025	5.0	25.0	
Q3277-02	WC1	SAM	WATER	10/06/2025	5.0	25.0	
Q3289-06DUP	72-11966DUP	DUP	WATER	10/06/2025	5.0	25.0	
Q3289-06MS	72-11966MS	MS	WATER	10/06/2025	5.0	25.0	
Q3289-06MSD	72-11966MSD	MSD	WATER	10/06/2025	5.0	25.0	

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client: G Environmental

SDG No.: Q3277

Contract: GENV01

Lab Code: ACE

Method: _____

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB169997							
PB169971TB	PB169971TB	MB	WATER	10/06/2025	3.0	30.0	
PB169997BL	PB169997BL	MB	WATER	10/06/2025	30.0	30.0	
PB169997BS	PB169997BS	LCS	WATER	10/06/2025	30.0	30.0	
Q3277-02	WC1	SAM	WATER	10/06/2025	3.0	30.0	
Q3289-06DUP	72-11966DUP	DUP	WATER	10/06/2025	3.0	30.0	
Q3289-06MS	72-11966MS	MS	WATER	10/06/2025	3.0	30.0	
Q3289-06MSD	72-11966MSD	MSD	WATER	10/06/2025	3.0	30.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137441

Review By	mohan	Review On	10/7/2025 4:13:47 PM
Supervise By	jaswal	Supervise On	10/7/2025 4:41:45 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87442,MP874423,MP87444,MP87445,MP87447,MP87448		
ICV Standard	MP87449		
CCV Standard	MP87451		
ICSA Standard			
CRI Standard	MP87453		
LCS Standard			
Chk Standard	MP87450,MP87452,MP87454,MP87459		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/07/25 09:47		mohan	OK
2	S0.2	S0.2	CAL2	10/07/25 09:49		mohan	OK
3	S2.5	S2.5	CAL3	10/07/25 09:52		mohan	OK
4	S5	S5	CAL4	10/07/25 09:54		mohan	OK
5	S7.5	S7.5	CAL5	10/07/25 09:56		mohan	OK
6	S10	S10	CAL6	10/07/25 10:01		mohan	OK
7	ICV61	ICV61	ICV	10/07/25 10:04		mohan	OK
8	ICB61	ICB61	ICB	10/07/25 10:06		mohan	OK
9	CCV90	CCV90	CCV	10/07/25 10:09		mohan	OK
10	CCB90	CCB90	CCB	10/07/25 10:11		mohan	OK
11	CRA	CRA	CRDL	10/07/25 10:13		mohan	OK
12	HighStd	HighStd	HIGH STD	10/07/25 10:16		mohan	OK
13	ChkStd	ChkStd	SAM	10/07/25 10:23		mohan	OK
14	PB169997BL	PB169997BL	MB	10/07/25 10:26		mohan	OK
15	PB169997BS	PB169997BS	LCS	10/07/25 10:31		mohan	OK
16	Q3262-03	MOO-25-0280	SAM	10/07/25 10:33		mohan	OK
17	Q3262-06	MOO-25-0281-82	SAM	10/07/25 10:35		mohan	OK
18	Q3262-09	279887	SAM	10/07/25 10:38		mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137441

Review By	mohan	Review On	10/7/2025 4:13:47 PM
Supervise By	jaswal	Supervise On	10/7/2025 4:41:45 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87442,MP874423,MP87444,MP87445,MP87447,MP87448		
ICV Standard	MP87449		
CCV Standard	MP87451		
ICSA Standard			
CRI Standard	MP87453		
LCS Standard			
Chk Standard	MP87450,MP87452,MP87454,MP87459		

19	Q3269-03	EG1-TP1	SAM	10/07/25 10:40		mohan	OK
20	Q3269-06	EG1-TP2	SAM	10/07/25 10:43		mohan	OK
21	CCV91	CCV91	CCV	10/07/25 10:45		mohan	OK
22	CCB91	CCB91	CCB	10/07/25 10:47		mohan	OK
23	Q3277-02	WC1	SAM	10/07/25 10:50		mohan	OK
24	Q3287-02	TSS-25-0001-0002	SAM	10/07/25 10:52		mohan	OK
25	Q3289-02	VNJ-240	SAM	10/07/25 10:54		mohan	OK
26	Q3289-04	VNJ-261	SAM	10/07/25 10:56		mohan	OK
27	Q3289-06	72-11966	SAM	10/07/25 10:59		mohan	OK
28	Q3289-06DUP	72-11966DUP	DUP	10/07/25 11:01		mohan	OK
29	Q3289-06MS	72-11966MS	MS	10/07/25 11:03		mohan	OK
30	Q3289-06MSD	72-11966MSD	MSD	10/07/25 11:05		mohan	OK
31	PB170005BL	PB170005BL	MB	10/07/25 11:09		mohan	OK
32	PB170005BS	PB170005BS	LCS	10/07/25 11:11		mohan	OK
33	CCV92	CCV92	CCV	10/07/25 11:13		mohan	OK
34	CCB92	CCB92	CCB	10/07/25 11:16		mohan	OK
35	Q3291-05	MC0AX0	SAM	10/07/25 11:18		mohan	OK
36	Q3291-05DUP	MC0AX0DUP	DUP	10/07/25 11:20		mohan	OK
37	Q3291-05MS	MC0AX0MS	MS	10/07/25 11:22		mohan	OK
38	Q3291-05MSD	MC0AX0MSD	MSD	10/07/25 11:25		mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137441

Review By	mohan	Review On	10/7/2025 4:13:47 PM
Supervise By	jaswal	Supervise On	10/7/2025 4:41:45 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87442,MP874423,MP87444,MP87445,MP87447,MP87448		
ICV Standard	MP87449		
CCV Standard	MP87451		
ICSA Standard			
CRI Standard	MP87453		
LCS Standard			
Chk Standard	MP87450,MP87452,MP87454,MP87459		

39	Q3291-06	MC0AX1	SAM	10/07/25 11:27		mohan	OK
40	Q3291-07	MC0AX2	SAM	10/07/25 11:29		mohan	OK
41	Q3291-08	MC0AX3	SAM	10/07/25 11:32		mohan	OK
42	CCV93	CCV93	CCV	10/07/25 11:37		mohan	OK
43	CCB93	CCB93	CCB	10/07/25 11:39		mohan	OK
44	PB169971TB	PB169971TB	MB	10/07/25 11:41		mohan	OK
45	Q3289-06L	72-11966L	SD	10/07/25 11:44		mohan	OK
46	Q3289-06A	72-11966A	PS	10/07/25 11:46	016mL of mp87461-10ml sample	mohan	OK
47	Q3291-05L	MC0AX0L	SD	10/07/25 11:48		mohan	OK
48	Q3291-05A	MC0AX0A	PS	10/07/25 11:50	016mL of mp87461-10ml sample	mohan	OK
49	CCV94	CCV94	CCV	10/07/25 11:53		mohan	OK
50	CCB94	CCB94	CCB	10/07/25 11:57		mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/07/25 10:29		Jaswal	OK
2	S1	S1	CAL2	10/07/25 10:34		Jaswal	OK
3	S2	S2	CAL3	10/07/25 10:38		Jaswal	OK
4	S3	S3	CAL4	10/07/25 10:42		Jaswal	OK
5	S4	S4	CAL5	10/07/25 10:46		Jaswal	OK
6	S5	S5	CAL6	10/07/25 10:50		Jaswal	OK
7	ICV01	ICV01	ICV	10/07/25 10:54		Jaswal	OK
8	LLICV01	LLICV01	LLICV	10/07/25 12:01		Jaswal	OK
9	ICB01	ICB01	ICB	10/07/25 12:06		Jaswal	OK
10	CRI01	CRI01	CRDL	10/07/25 12:10		Jaswal	OK
11	ICSA01	ICSA01	ICSA	10/07/25 12:14		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	10/07/25 12:37		Jaswal	OK
13	ICSADL	ICSADL	ICSA	10/07/25 12:41		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	10/07/25 12:45		Jaswal	OK
15	CCV01	CCV01	CCV	10/07/25 12:50		Jaswal	OK
16	CCB01	CCB01	CCB	10/07/25 12:58		Jaswal	OK
17	Q3283-01	001-WILLETS-PT-BL	SAM	10/07/25 13:21		Jaswal	OK
18	Q3283-02	002-35TH-AVE(SEP)	SAM	10/07/25 13:25		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

19	Q3283-02DUP	002-35TH-AVE(SEP)	DUP	10/07/25 13:29		Jaswal	OK
20	Q3283-02L	002-35TH-AVE(SEP)	SD	10/07/25 13:33		Jaswal	OK
21	Q3283-02MS	002-35TH-AVE(SEP)	MS	10/07/25 13:38		Jaswal	OK
22	Q3283-02MSD	002-35TH-AVE(SEP)	MSD	10/07/25 13:42		Jaswal	OK
23	Q3283-02A	002-35TH-AVE(SEP)	PS	10/07/25 13:46		Jaswal	OK
24	LR-1	LR-1	HIGH STD	10/07/25 13:50		Jaswal	OK
25	LR-3	LR-3	HIGH STD	10/07/25 13:59		Jaswal	OK
26	LR-2	LR-2	HIGH STD	10/07/25 14:10		Jaswal	OK
27	CCV02	CCV02	CCV	10/07/25 14:19		Jaswal	OK
28	CCB02	CCB02	CCB	10/07/25 14:24		Jaswal	OK
29	Q3270-01	SG-1-TEST-PIT	SAM	10/07/25 14:28		Jaswal	OK
30	Q3271-01	72-11929	SAM	10/07/25 14:32		Jaswal	OK
31	Q3271-01L	72-11929L	SD	10/07/25 14:40		Jaswal	OK
32	Q3271-01MS	72-11929MS	MS	10/07/25 14:44		Jaswal	OK
33	Q3271-01MSD	72-11929MSD	MSD	10/07/25 14:48		Jaswal	OK
34	Q3271-01A	72-11929A	PS	10/07/25 14:52		Jaswal	OK
35	Q3272-01	VNJ-235	SAM	10/07/25 14:56		Jaswal	OK
36	Q3272-03	R7	SAM	10/07/25 15:00	Ca is high, need dilution	Jaswal	Dilution
37	Q3277-01	WC1	SAM	10/07/25 15:04		Jaswal	OK
38	CCV03	CCV03	CCV	10/07/25 15:08		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

39	CCB03	CCB03	CCB	10/07/25 15:12		Jaswal	OK
40	Q3269-03	EG1-TP1	SAM	10/07/25 15:17		Jaswal	OK
41	Q3269-06	EG1-TP2	SAM	10/07/25 15:21		Jaswal	OK
42	Q3281-01	001-WILLETS-PT-BL	SAM	10/07/25 15:26		Jaswal	OK
43	Q3281-02	002-35TH-AVE(OCT)	SAM	10/07/25 15:30		Jaswal	OK
44	Q3272-03DL	R7DL	SAM	10/07/25 15:34	25X for Ca	Jaswal	Confirms
45	Q3271-01DUP	72-11929DUP	DUP	10/07/25 15:38		Jaswal	OK
46	PB169982BL	PB169982BL	MB	10/07/25 15:43		Jaswal	OK
47	PB169982BS	PB169982BS	LCS	10/07/25 15:48		Jaswal	OK
48	PB169979BL	PB169979BL	MB	10/07/25 15:52		Jaswal	OK
49	PB169979BS	PB169979BS	LCS	10/07/25 15:56		Jaswal	OK
50	CCV04	CCV04	CCV	10/07/25 16:00		Jaswal	OK
51	CCB04	CCB04	CCB	10/07/25 16:04		Jaswal	OK
52	PB169996BS	PB169996BS	LCS	10/07/25 16:08		Jaswal	OK
53	Q3266-02	ENV-4-6FT	SAM	10/07/25 16:13		Jaswal	OK
54	Q3266-02DUP	ENV-4-6FTDUP	DUP	10/07/25 16:17		Jaswal	OK
55	Q3266-02L	ENV-4-6FTL	SD	10/07/25 16:20		Jaswal	OK
56	Q3266-02MS	ENV-4-6FTMS	MS	10/07/25 16:25		Jaswal	OK
57	Q3266-02MSD	ENV-4-6FTMSD	MSD	10/07/25 16:29		Jaswal	OK
58	Q3266-02A	ENV-4-6FTA	PS	10/07/25 16:33		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

59	Q3258-06DL	COMPOSITEDL	SAM	10/07/25 16:37	Not use	Jaswal	Not Ok
60	PB169971TB	PB169971TB	MB	10/07/25 16:41		Jaswal	OK
61	Q3262-03	MOO-25-0280	SAM	10/07/25 16:45		Jaswal	OK
62	CCV05	CCV05	CCV	10/07/25 16:50		Jaswal	OK
63	CCB05	CCB05	CCB	10/07/25 17:01		Jaswal	OK
64	Q3262-06	MOO-25-0281-82	SAM	10/07/25 17:05		Jaswal	OK
65	Q3262-09	279887	SAM	10/07/25 17:10		Jaswal	OK
66	Q3277-02	WC1	SAM	10/07/25 17:14		Jaswal	OK
67	Q3289-02	VNJ-240	SAM	10/07/25 17:19		Jaswal	OK
68	Q3289-04	VNJ-261	SAM	10/07/25 17:23		Jaswal	OK
69	Q3289-06	72-11966	SAM	10/07/25 17:27		Jaswal	OK
70	Q3289-06DUP	72-11966DUP	DUP	10/07/25 17:32		Jaswal	OK
71	Q3289-06L	72-11966L	SD	10/07/25 17:36		Jaswal	OK
72	Q3289-06MS	72-11966MS	MS	10/07/25 17:40		Jaswal	OK
73	Q3289-06MSD	72-11966MSD	MSD	10/07/25 17:44		Jaswal	OK
74	CCV06	CCV06	CCV	10/07/25 17:49		Jaswal	OK
75	CCB06	CCB06	CCB	10/07/25 17:59		Jaswal	OK
76	Q3289-06A	72-11966A	PS	10/07/25 18:03		Jaswal	OK
77	Q3287-02	TSS-25-0001-0002	SAM	10/07/25 18:07		Jaswal	OK
78	PB169996BL	PB169996BL	MB	10/07/25 18:11		Jaswal	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB137447

Review By	Janvi	Review On	10/8/2025 2:41:18 PM
Supervise By	jaswal	Supervise On	10/8/2025 11:43:16 PM
STD. NAME	STD REF.#		
ICAL Standard	MP87074,MP87083,MP87082,MP87080,MP87079,MP87078,MP87077,MP87076,MP87075		
ICV Standard	MP87085,MP87082		
CCV Standard	MP87086		
ICSA Standard	MP87087,MP87088		
CRI Standard	MP87082		
LCS Standard			
Chk Standard	MP87091,MP87092		

79	PB169983BL	PB169983BL	MB	10/07/25 18:15		Jaswal	OK
80	PB169983BS	PB169983BS	LCS	10/07/25 18:20		Jaswal	OK
81	Q3288-01	TR-01-100325	SAM	10/07/25 18:24		Jaswal	OK
82	Q3289-01	VNJ-240	SAM	10/07/25 18:28		Jaswal	OK
83	Q3289-03	VNJ-261	SAM	10/07/25 18:32		Jaswal	OK
84	Q3289-05	72-11966	SAM	10/07/25 18:36		Jaswal	OK
85	Q3290-01	CL-02-100325	SAM	10/07/25 18:40		Jaswal	OK
86	CCV07	CCV07	CCV	10/07/25 18:44		Jaswal	OK
87	CCB07	CCB07	CCB	10/07/25 18:48		Jaswal	OK
88	Q3290-01DUP	CL-02-100325DUP	DUP	10/07/25 18:52		Jaswal	OK
89	Q3290-01L	CL-02-100325L	SD	10/07/25 18:56		Jaswal	OK
90	Q3290-01MS	CL-02-100325MS	MS	10/07/25 19:00		Jaswal	OK
91	Q3290-01MSD	CL-02-100325MSD	MSD	10/07/25 19:04		Jaswal	OK
92	Q3290-01A	CL-02-100325A	PS	10/07/25 19:08		Jaswal	OK
93	Q3257-01DL	ENV1-6FTDL	SAM	10/07/25 19:12	5X for Ag	Jaswal	Confirms
94	Q3257-02DL	ENV2-6FTDL	SAM	10/07/25 19:16	5X for Ag	Jaswal	Confirms
95	CCV08	CCV08	CCV	10/07/25 19:20		Jaswal	OK
96	CCB08	CCB08	CCB	10/07/25 19:24		Jaswal	OK

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 10/06/2025 Time : 12:30 Temp : 96 °C

End Digest Date: 10/06/2025 Time : 15:32 Temp : 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKJ

Supervisor Signature: [Signature]

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	M6181
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1.4 HCL SOLN	5.00	MP87148
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/06/25 16:32	SKJ mct dig	SKJ metals lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169971TB	PB169971TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	11
PB169996BL	PBW996	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	12
PB169996BS	LCS996	<2	5	25	Colorless	Colorless	Clear	Clear	M6180,M6181	13
Q3262-03	MOO-25-0280	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	14
Q3262-06	MOO-25-0281-82	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	15
Q3262-09	279887	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	16
Q3269-03	EG1-TP1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	17
Q3269-06	EG1-TP2	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	18
Q3277-02	WC1	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	19
Q3287-02	TSS-25-0001-0002	<2	5	50	Black	Light Black	Cloudy	Cloudy	N/A	20
Q3289-02	VNJ-240	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	21
Q3289-04	VNJ-261	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	22
Q3289-06	72-11966	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	23
Q3289-06MS	72-11966MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6180,M6181	25
Q3289-06MSD	72-11966MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6180,M6181	26
Q3289-06DUP	72-11966DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	24

SOP ID : M7470A-Mercury-20

SDG No : NA

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M6069

Hood ID : #1

Block ID: 1. HG HOT BLOCK#3 2. N/A

Start Digest Date: 10/06/2025 Time : 14:20 Temp : 95 °C

End Digest Date: 10/06/2025 Time : 16:20 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: *MB*

Supervisor Signature: *12*

Temp : 1. 95°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP87449
CCV	30mL	MP87451
CRA	30mL	MP87453
Blank Spike	0.48mL	MP87441
Matrix Spike	0.48mL	MP87441

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP87071
KMnO4 (5%)	4.5mL	MP87072
K2S2O8 (5%)	2.4mL	MP87073
Hydroxylamine HCL (12%)	1.8mL	MP87149
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP87442
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP87443
2.5 ppb	S2.5	30mL	MP87444
5.0 ppb	S5.0	30mL	MP87445
7.5 ppb	S7.5	30mL	MP87447
10.0 ppb	S10.0	30mL	MP87448
ICV	ICV	30mL	MP87449
ICB	ICB	30mL	MP87450
CCV	CCV	30mL	MP87451
CCB	CCB	30mL	MP87452
CRI	CRI	30mL	MP87453
CHK STD	CHK STD	30mL	MP87454

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/6/2025 17:10	<i>MB Dig. Lab</i>	<i>MB-Metal Lab</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169971TB	PB169971TB	3	30	<2	N/A	3-1
PB169997BL	PBW997	30	30	<2	N/A	2
PB169997BS	LCS997	30	30	<2	MP87441	3
Q3262-03	MOO-25-0280	3	30	<2	N/A	4
Q3262-06	MOO-25-0281-82	3	30	<2	N/A	5
Q3262-09	279887	3	30	<2	N/A	6
Q3269-03	EG1-TP1	3	30	<2	N/A	7
Q3269-06	EG1-TP2	3	30	<2	N/A	8
Q3277-02	WC1	3	30	<2	N/A	9
Q3287-02	TSS-25-0001-0002	3	30	<2	N/A	10
Q3289-02	VNJ-240	3	30	<2	N/A	11
Q3289-04	VNJ-261	3	30	<2	N/A	12
Q3289-06	72-11966	3	30	<2	N/A	13
Q3289-06DUP	72-11966DUP	3	30	<2	N/A	14
Q3289-06MS	72-11966MS	3	30	<2	MP87441	15
Q3289-06MSD	72-11966MSD	3	30	<2	MP87441	16

SOP ID :	M1311-TCLP-16	
SDG No :	N/A	Start Prep Date : 10/03/2025 Time : 17:15
Welgh By :	JP	End Prep Date : 10/04/2025 Time : 11:25
Balance ID :	WC SC-7	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A 10
Extraction By :	JP	Initial Room Temperature: 22 °C
Filter By :	JP	Final Room Temperature: 21 °C
Pippete ID :	WC	TCLP Technician Signature : 
Tumbler ID :	T-1	Supervisor By : 
TCLP Filter ID :	40819719	

Standarded Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP114525
HCL-TCLP,1N	N/A	WP114527
HNO3-TCLP,1N	N/A	WP114528
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP86978

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftation and before preservation. TUMBLER T-1 checked,30 rpm. q2487-01 is oil sample so no fluid determentation so % is <0.5 codsider as water sample. q3289-06 is used for MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/06/25 10:30	FO ICP Room	SAB RJ/Ext
	Preparation Group	Analysis Group metdry

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB169971TB	LEB971	10	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1
Q3262-03	MOO-25-0280	01	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q3262-06	MOO-25-0281-82	02	100.03	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q3262-09	279887	03	100.02	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q3269-03	EG1-TP1	04	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-1
Q3269-06	EG1-TP2	05	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q3277-02	WC1	06	100.01	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q3287-02	TSS-25-0001-0002	N/A	N/A	N/A	N/A	N/A	N/A	8.6	1.5	N/A
Q3289-02	VNJ-240	07	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q3289-04	VNJ-261	08	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-1
Q3289-06	72-11966	09	100.03	2000	N/A	N/A	N/A	3.5	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB169971TB	LEB971	N/A	N/A	N/A	N/A	N/A	N/A
Q3262-03	MOO-25-0280	N/A	N/A	N/A	N/A	100	N/A
Q3262-06	MOO-25-0281-82	N/A	N/A	N/A	N/A	100	N/A
Q3262-09	279887	N/A	N/A	N/A	N/A	100	N/A
Q3269-03	EG1-TP1	N/A	N/A	N/A	N/A	100	N/A
Q3269-06	EG1-TP2	N/A	N/A	N/A	N/A	100	N/A
Q3277-02	WC1	N/A	N/A	N/A	N/A	100	N/A
Q3287-02	TSS-25-0001-0002	N/A	N/A	N/A	N/A	<0.5	N/A
Q3289-02	VNJ-240	N/A	N/A	N/A	N/A	100	N/A
Q3289-04	VNJ-261	N/A	N/A	N/A	N/A	100	N/A
Q3289-06	72-11966	N/A	N/A	N/A	N/A	100	N/A

Hot Block ID : WC S-1 / WC S-2
Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
PB169971TB	LEB971	N/A	N/A	N/A	N/A	#1	4.94
Q3262-03	MOO-25-0280	5.02	96.5	5.5	1.5	#1	4.94
Q3262-06	MOO-25-0281-82	5.01	96.5	5.6	1.5	#1	4.94
Q3262-09	279887	5.02	96.5	6.6	2.0	#1	4.94
Q3269-03	EG1-TP1	5.03	96.5	8.6	3.5	#1	4.94
Q3269-06	EG1-TP2	5.02	96.5	8.2	3.5	#1	4.94
Q3277-02	WC1	5.03	96.5	7.2	2.5	#1	4.94
Q3287-02	TSS-25-0001-0002	N/A	N/A	N/A	N/A	N/A	N/A
Q3289-02	VNJ-240	5.01	96.5	6.6	2.0	#1	4.94
Q3289-04	VNJ-261	5.02	96.5	5.8	1.5	#1	4.94
Q3289-06	72-11966	5.03	96.5	6.0	2.0	#1	4.94



SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25 16:00
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-01	Matrix:	SOIL
		% Solid:	97.6

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Paint Filter	1.00	U	1	1.00	1.00	ml/100gm		10/03/25 09:50	9095B
pH	7.22	H	1	0	0	pH		10/09/25 10:27	9045D

Comments: pH result reported at temperature 20.4 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

Report of Analysis

Client:	G Environmental	Date Collected:	09/30/25 16:00
Project:	Newport	Date Received:	10/02/25
Client Sample ID:	WC1	SDG No.:	Q3277
Lab Sample ID:	Q3277-02	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.22	H	1	0	0	pH		10/03/25 16:50	9045D
Ignitability	NO		1	0	0	oC		10/06/25 09:25	1030
Reactive Cyanide	0.012	J	1	0.0083	0.049	mg/Kg	10/06/25 09:00	10/06/25 12:53	9012B
Reactive Sulfide	4.76	J	1	0.20	10.0	mg/Kg	10/03/25 08:50	10/03/25 11:13	9034

Comments: pH result reported at temperature 20.4 °C

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

H = Sample Analysis Out Of Hold Time

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits



QC RESULT SUMMARY

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q3277

Project: Newport

RunNo.: LB137425

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: Corrosivity	ICV	pH	7.02	7	100	90-110	10/03/2025
Sample ID: Corrosivity	CCV1	pH	2.01	2.00	101	90-110	10/03/2025
Sample ID: Corrosivity	CCV2	pH	12.02	12.00	100	90-110	10/03/2025

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q3277

Project: Newport

RunNo.: LB137430

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1 Reactive Cyanide	mg/L	0.095	0.099	96	85-115	10/06/2025
Sample ID: CCV1 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/06/2025
Sample ID: CCV2 Reactive Cyanide	mg/L	0.25	0.25	100	90-110	10/06/2025

Initial and Continuing Calibration Verification

Client: G Environmental

SDG No.: Q3277

Project: Newport

RunNo.: LB137474

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
pH		pH	7.01	7	100	90-110	10/09/2025
Sample ID:	CCV1						
pH		pH	2.02	2.00	101	90-110	10/09/2025
Sample ID:	CCV2						
pH		pH	12.02	12.00	100	90-110	10/09/2025

Initial and Continuing Calibration Blank Summary

Client: G Environmental

SDG No.: Q3277

Project: Newport

RunNo.: LB137430

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/06/2025
Sample ID: CCB1 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/06/2025
Sample ID: CCB2 Reactive Cyanide	mg/L	< 0.0025	0.0025	U	0.00096	0.005	10/06/2025

Preparation Blank Summary

Client: G Environmental

SDG No.: Q3277

Project: Newport

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB169965BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	10/03/2025
Sample ID: PB169985BL							
Reactive Cyanide	mg/Kg	0.022	0.0250	J	0.0084	0.05	10/06/2025

Duplicate Sample Summary

Client: G Environmental Project: Newport Client ID: SOIL-PILE-1-WCDUP	SDG No.: Q3277 Sample ID: Q3256-04 Percent Solids for Spike Sample: 100
--	--

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Reactive Sulfide	mg/Kg	+/-20	3.16	J	3.16	J	1	0		10/03/2025

Duplicate Sample Summary

Client:	G Environmental	SDG No.:	Q3277
Project:	Newport	Sample ID:	Q3269-01
Client ID:	EG1-TP1DUP	Percent Solids for Spike Sample:	90.8

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Ignitability	oC	+/-20	NO		NO		1	0		10/06/2025

Duplicate Sample Summary

Client: G Environmental Project: Newport Client ID: RT5417-SOILDUP	SDG No.: Q3277 Sample ID: Q3272-05 Percent Solids for Spike Sample: 100
---	--

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Corrosivity	pH	+/-20	12.5		12.5		1	0.24		10/03/2025
Reactive Cyanide	mg/Kg	+/-20	0.015	J	0.015	J	1	0		10/06/2025

Duplicate Sample Summary

Client:	G Environmental	SDG No.:	Q3277
Project:	Newport	Sample ID:	Q3277-01
Client ID:	WC1DUP	Percent Solids for Spike Sample:	97.6

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/AD	Qual	Analysis Date
Paint Filter	ml/100gm	+/-20	1.00	U	1.00	U	1	0		10/03/2025
pH	pH	+/-20	7.22		7.24		1	0.28		10/09/2025

Instrument ID: FILTER/GRAVIMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137415

Review By	rubina	Review On	10/3/2025 12:38:38 PM
Supervise By	Iwona	Supervise On	10/3/2025 2:38:38 PM
SubDirectory	LB137415	Test	Paint Filter
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q3269-01	EG1-TP1	SAM	10/03/25 09:05		rubina	OK
2	Q3269-04	EG1-TP2	SAM	10/03/25 09:13		rubina	OK
3	Q3270-01	SG-1-TEST-PIT	SAM	10/03/25 09:20		rubina	OK
4	Q3271-01	72-11929	SAM	10/03/25 09:28		rubina	OK
5	Q3272-01	VNJ-235	SAM	10/03/25 09:35		rubina	OK
6	Q3272-03	R7	SAM	10/03/25 09:42		rubina	OK
7	Q3277-01	WC1	SAM	10/03/25 09:50		rubina	OK
8	Q3277-01DUP	WC1DUP	DUP	10/03/25 09:58		rubina	OK

Instrument ID: TITRAMETRIC

Daily Analysis Runlog For Sequence/QC Batch ID # LB137418

Review By	rubina	Review On	10/3/2025 12:37:07 PM
Supervise By	Iwona	Supervise On	10/3/2025 2:43:29 PM
SubDirectory	LB137418	Test	Reactive Sulfide
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3105,W3213,W3149		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	PB169965BL	PB169965BL	MB	10/03/25 10:50		rubina	OK
2	Q3256-04	SOIL-PILE-1-WC	SAM	10/03/25 10:53		rubina	OK
3	Q3256-04DUP	SOIL-PILE-1-WCDUP	DUP	10/03/25 10:56		rubina	OK
4	Q3256-08	SOIL-PILE-2-WC	SAM	10/03/25 10:58		rubina	OK
5	Q3262-03	MOO-25-0280	SAM	10/03/25 11:00		rubina	OK
6	Q3262-06	MOO-25-0281-82	SAM	10/03/25 11:03		rubina	OK
7	Q3262-09	279887	SAM	10/03/25 11:05		rubina	OK
8	Q3269-03	EG1-TP1	SAM	10/03/25 11:08		rubina	OK
9	Q3269-06	EG1-TP2	SAM	10/03/25 11:11		rubina	OK
10	Q3277-02	WC1	SAM	10/03/25 11:13		rubina	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137425

Review By	jignesh	Review On	10/3/2025 4:58:38 PM
Supervise By	Iwona	Supervise On	10/6/2025 9:23:46 AM
SubDirectory	LB137425	Test	Corrosivity
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3178,W3093,W3191,W3217,W3161,W3200		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/03/25 16:30		Jignesh	OK
2	CAL2	CAL2	CAL	10/03/25 16:31		Jignesh	OK
3	CAL3	CAL3	CAL	10/03/25 16:32		Jignesh	OK
4	ICV	ICV	ICV	10/03/25 16:33		Jignesh	OK
5	CCV1	CCV1	CCV	10/03/25 16:35		Jignesh	OK
6	Q3272-05	RT5417-SOIL	SAM	10/03/25 16:45		Jignesh	OK
7	Q3272-05DUP	RT5417-SOILDUP	DUP	10/03/25 16:47		Jignesh	OK
8	Q3277-02	WC1	SAM	10/03/25 16:50		Jignesh	OK
9	Q3287-02	TSS-25-0001-0002	SAM	10/03/25 17:00		Jignesh	OK
10	Q3289-02	VNJ-240	SAM	10/03/25 17:10		Jignesh	OK
11	Q3289-04	VNJ-261	SAM	10/03/25 17:20		Jignesh	OK
12	Q3289-06	72-11966	SAM	10/03/25 17:25		Jignesh	OK
13	CCV2	CCV2	CCV	10/03/25 17:30		Jignesh	OK

Instrument ID: FLAME

Daily Analysis Runlog For Sequence/QCBatch ID # LB137427

Review By	Eman	Review On	10/6/2025 10:39:55 AM
Supervise By	Iwona	Supervise On	10/6/2025 10:51:18 AM
SubDirectory	LB137427	Test	Ignitability
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	N/A		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	Q3269-01	EG1-TP1	SAM	10/06/25 08:40		Eman	OK
2	Q3269-01DUP	EG1-TP1DUP	DUP	10/06/25 08:47		Eman	OK
3	Q3269-03	EG1-TP1	SAM	10/06/25 08:54		Eman	OK
4	Q3269-04	EG1-TP2	SAM	10/06/25 09:02		Eman	OK
5	Q3269-06	EG1-TP2	SAM	10/06/25 09:10		Eman	OK
6	Q3272-05	RT5417-SOIL	SAM	10/06/25 09:18		Eman	OK
7	Q3277-02	WC1	SAM	10/06/25 09:25		Eman	OK
8	Q3289-01	VNJ-240	SAM	10/06/25 09:32		Eman	OK
9	Q3289-02	VNJ-240	SAM	10/06/25 09:40		Eman	OK
10	Q3289-03	VNJ-261	SAM	10/06/25 09:47		Eman	OK
11	Q3289-04	VNJ-261	SAM	10/06/25 09:55		Eman	OK
12	Q3289-05	72-11966	SAM	10/06/25 10:02		Eman	OK
13	Q3289-06	72-11966	SAM	10/06/25 10:10		Eman	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137430

Review By	rubina	Review On	10/6/2025 4:57:32 PM
Supervise By	Iwona	Supervise On	10/7/2025 9:27:38 AM
SubDirectory	LB137430	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP115057,WP115058,WP115059,WP115060,WP115061,WP115062,WP115063		
ICV Standard	WP115064		
CCV Standard	WP115058		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112643,WP114324,WP115065		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	0.0PPBCN	0.0PPBCN	CAL1	10/06/25 11:48		rubina	OK
2	5.0PPBCN	5.0PPBCN	CAL2	10/06/25 11:48		rubina	OK
3	10PPBCN	10PPBCN	CAL3	10/06/25 11:48		rubina	OK
4	50PPBCN	50PPBCN	CAL4	10/06/25 11:48		rubina	OK
5	100PPBCN	100PPBCN	CAL5	10/06/25 11:48		rubina	OK
6	250PPBCN	250PPBCN	CAL6	10/06/25 11:48		rubina	OK
7	500PPBCN	500PPBCN	CAL7	10/06/25 11:48		rubina	OK
8	ICV1	ICV1	ICV	10/06/25 12:46		rubina	OK
9	ICB1	ICB1	ICB	10/06/25 12:46		rubina	OK
10	CCV1	CCV1	CCV	10/06/25 12:46		rubina	OK
11	CCB1	CCB1	CCB	10/06/25 12:46		rubina	OK
12	PB169985BL	PB169985BL	MB	10/06/25 12:46		rubina	OK
13	Q3272-05	RT5417-SOIL	SAM	10/06/25 12:53		rubina	OK
14	Q3272-05DUP	RT5417-SOILDUP	DUP	10/06/25 12:53		rubina	OK
15	Q3287-02	TSS-25-0001-0002	SAM	10/06/25 12:53		rubina	OK
16	Q3289-02	VNJ-240	SAM	10/06/25 12:53		rubina	OK
17	Q3289-04	VNJ-261	SAM	10/06/25 12:53		rubina	OK
18	Q3289-06	72-11966	SAM	10/06/25 12:53		rubina	OK

Instrument ID: KONELAB

Daily Analysis Runlog For Sequence/QC Batch ID # LB137430

Review By	rubina	Review On	10/6/2025 4:57:32 PM
Supervise By	Iwona	Supervise On	10/7/2025 9:27:38 AM
SubDirectory	LB137430	Test	Reactive Cyanide
STD. NAME	STD REF.#		
ICAL Standard	WP115057,WP115058,WP115059,WP115060,WP115061,WP115062,WP115063		
ICV Standard	WP115064		
CCV Standard	WP115058		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	WP112643,WP114324,WP115065		

19	Q3277-02	WC1	SAM	10/06/25 12:53		rubina	OK
20	CCV2	CCV2	CCV	10/06/25 12:58		rubina	OK
21	CCB2	CCB2	CCB	10/06/25 12:58		rubina	OK

Instrument ID: WC PH METER-1

Daily Analysis Runlog For Sequence/QC Batch ID # LB137474

Review By	jignesh	Review On	10/9/2025 12:15:56 PM
Supervise By	Iwona	Supervise On	10/9/2025 12:20:59 PM
SubDirectory	LB137474	Test	pH
STD. NAME	STD REF.#		
ICAL Standard	N/A		
ICV Standard	N/A		
CCV Standard	N/A		
ICSA Standard	N/A		
CRI Standard	N/A		
LCS Standard	N/A		
Chk Standard	W3178,W3093,W3191,W3217,W3161,W3200		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	CAL1	CAL1	CAL	10/09/25 10:10		Jignesh	OK
2	CAL2	CAL2	CAL	10/09/25 10:11		Jignesh	OK
3	CAL3	CAL3	CAL	10/09/25 10:12		Jignesh	OK
4	ICV	ICV	ICV	10/09/25 10:15		Jignesh	OK
5	CCV1	CCV1	CCV	10/09/25 10:19		Jignesh	OK
6	Q3277-01	WC1	SAM	10/09/25 10:27		Jignesh	OK
7	Q3277-01DUP	WC1DUP	DUP	10/09/25 10:30		Jignesh	OK
8	CCV2	CCV2	CCV	10/09/25 10:32		Jignesh	OK

LAB CHRONICLE

OrderID:	Q3277	OrderDate:	10/2/2025 3:50:00 PM
Client:	G Environmental	Project:	Newport
Contact:	Gary Landis	Location:	D31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3277-01	WC1	SOIL			09/30/25 16:00			10/02/25
			Paint Filter	9095B			10/03/25 09:50	
			pH	9045D			10/09/25 10:27	
Q3277-02	WC1	SOIL			09/30/25 16:00			10/02/25
			Corrosivity	9045D			10/03/25 16:50	
			Ignitability	1030			10/06/25 09:25	
			Reactive Cyanide	9012B		10/06/25	10/06/25 12:53	
			Reactive Sulfide	9034		10/03/25	10/03/25 11:13	

SOP ID : M9030B-Sulfide-13

SDG No : N/A

Start Digest Date: 10/03/2025 Time : 08:50 Temp : N/A

Matrix : SOIL

End Digest Date: 10/03/2025 Time : 10:20 Temp : N/A

Pipette ID : WC

Balance ID : WC SC-7

Hood ID : HOOD#2

Digestion tube ID : M5595

Block Thermometer ID : N/A

Block ID : WC-DIST-BLOCK-1

Filter paper ID : N/A

Prep Technician Signature: RM

Weigh By : RM

pH Meter ID : N/A

Supervisor Signature: 12

Standard Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.5M ZINC ACETATE	5.0ML	WP114311
FORMALDEHYDE	2.0ML	W3220
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A

10/03/2025
RM

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169965BL	PBS965	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3256-04DUP	SOIL-PILE-1-WCDUP	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3256-04	SOIL-PILE-1-WC	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3256-08	SOIL-PILE-2-WC	5.08	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3262-03	MOO-25-0280	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3262-06	MOO-25-0281-82	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3262-09	279887	5.01	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3269-03	EG1-TP1	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3269-06	EG1-TP2	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3277-02	WC1	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A

SOP ID : M9012B-Total, Amenable and Reactive Cyanide-21

SDG No : N/A **Start Digest Date:** 10/06/2025 **Time :** 09:00 **Temp :** N/A

Matrix : SOIL **End Digest Date:** 10/06/2025 **Time :** 10:30 **Temp :** N/A

Pipette ID : N/A

Balance ID : WC SC-7

Hood ID : HOOD#1 **Digestion tube ID :** M5595 **Block Thermometer ID :** N/A

Block ID : MC-1,MC-2 **Filter paper ID :** N/A **Prep Technician Signature:** RM

Weigh By : RM **pH Meter ID :** N/A **Supervisor Signature:** 12

Standard Name	MLS USED	STD REF. # FROM LOG
PBS003	50.0ML	W3112
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
0.25N NaOH	50.0ML	WP113836
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Comment

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/06/2025 10:40	RM (WC)	RM (WC)
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Sulfide	Oxidizing	Nitrate/ Nitrite	Comment	Prep Pos
PB169985BL	PBS985	5.00	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3272-05DUP	RT5417-SOILDUP	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3272-05	RT5417-SOIL	5.02	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3277-02	WC1	5.07	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3287-02	TSS-25-0001-0002	5.06	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3289-02	VNJ-240	5.04	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3289-04	VNJ-261	5.03	50	N/A	N/A	N/A	N/A	N/A	N/A
Q3289-06	72-11966	5.05	50	N/A	N/A	N/A	N/A	N/A	N/A