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

LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			VOC-TCLVOA-10	8260D			05/05/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			VOC-TCLVOA-10	8260D			05/05/25	
Q1956-05	**COMP1**	**TCLP**			**05/02/25**			**05/02/25**
			TCLP VOA	8260D			05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			VOC-TCLVOA-10	8260D			05/05/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			VOC-TCLVOA-10	8260-Low			05/05/25	
Q1956-09	**TB**	**Water**			**05/02/25**			**05/02/25**
			VOC-TCLVOA-10	8260-Low			05/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**SB1-3-4**							
Q1956-01	SB1-3-4	SOIL	m/p-Xylenes	1.20	J	1.10	8.80	ug/Kg
Q1956-01	SB1-3-4	SOIL	o-Xylene	0.95	J	0.72	4.40	ug/Kg
			Total Voc :	2.15				
			Total Concentration:	2.15				
Client ID:	**SB2-4-5**							
Q1956-02	SB2-4-5	SOIL	Trichlorofluoromethane	1.30	J	1.20	4.80	ug/Kg
Q1956-02	SB2-4-5	SOIL	Carbon Disulfide	1.00	J	1.00	4.80	ug/Kg
Q1956-02	SB2-4-5	SOIL	Methylene Chloride	4.50	J	3.40	9.70	ug/Kg
			Total Voc :	6.80				
			Total Concentration:	6.80				
Client ID:	**SB91-3-4**							
Q1956-06	SB91-3-4	SOIL	Methylene Chloride	3.70	J	3.20	9.00	ug/Kg
			Total Voc :	3.70				
			Total Concentration:	3.70				

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	6.37 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022162.D	1		05/05/25 16:18	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.40	U	1.00	4.40	ug/Kg
74-87-3	Chloromethane	4.40	U	1.00	4.40	ug/Kg
75-01-4	Vinyl Chloride	4.40	U	0.70	4.40	ug/Kg
74-83-9	Bromomethane	4.40	U	0.94	4.40	ug/Kg
75-00-3	Chloroethane	4.40	U	1.10	4.40	ug/Kg
75-69-4	Trichlorofluoromethane	4.40	U	1.10	4.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.40	U	0.93	4.40	ug/Kg
75-35-4	1,1-Dichloroethene	4.40	U	0.88	4.40	ug/Kg
67-64-1	Acetone	22.0	U	4.20	22.0	ug/Kg
75-15-0	Carbon Disulfide	4.40	U	0.93	4.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.40	U	0.64	4.40	ug/Kg
79-20-9	Methyl Acetate	4.40	U	1.40	4.40	ug/Kg
75-09-2	Methylene Chloride	8.80	U	3.10	8.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.40	U	0.76	4.40	ug/Kg
75-34-3	1,1-Dichloroethane	4.40	U	0.71	4.40	ug/Kg
110-82-7	Cyclohexane	4.40	U	0.70	4.40	ug/Kg
78-93-3	2-Butanone	22.0	U	5.80	22.0	ug/Kg
56-23-5	Carbon Tetrachloride	4.40	U	0.86	4.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.40	U	0.66	4.40	ug/Kg
74-97-5	Bromochloromethane	4.40	U	1.00	4.40	ug/Kg
67-66-3	Chloroform	4.40	U	0.74	4.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.40	U	0.82	4.40	ug/Kg
108-87-2	Methylcyclohexane	4.40	U	0.80	4.40	ug/Kg
71-43-2	Benzene	4.40	U	0.70	4.40	ug/Kg
107-06-2	1,2-Dichloroethane	4.40	U	0.70	4.40	ug/Kg
79-01-6	Trichloroethene	4.40	U	0.71	4.40	ug/Kg
78-87-5	1,2-Dichloropropane	4.40	U	0.80	4.40	ug/Kg
75-27-4	Bromodichloromethane	4.40	U	0.69	4.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	22.0	U	3.20	22.0	ug/Kg
108-88-3	Toluene	4.40	U	0.69	4.40	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	6.37 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022162.D	1		05/05/25 16:18	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.40	U	0.57	4.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.40	U	0.55	4.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.40	U	0.81	4.40	ug/Kg
591-78-6	2-Hexanone	22.0	U	3.30	22.0	ug/Kg
124-48-1	Dibromochloromethane	4.40	U	0.77	4.40	ug/Kg
106-93-4	1,2-Dibromoethane	4.40	U	0.78	4.40	ug/Kg
127-18-4	Tetrachloroethene	4.40	U	0.93	4.40	ug/Kg
108-90-7	Chlorobenzene	4.40	U	0.80	4.40	ug/Kg
100-41-4	Ethyl Benzene	4.40	U	0.59	4.40	ug/Kg
179601-23-1	m/p-Xylenes	1.20	J	1.10	8.80	ug/Kg
95-47-6	o-Xylene	0.95	J	0.72	4.40	ug/Kg
100-42-5	Styrene	4.40	U	0.63	4.40	ug/Kg
75-25-2	Bromoform	4.40	U	0.76	4.40	ug/Kg
98-82-8	Isopropylbenzene	4.40	U	0.69	4.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.40	U	1.10	4.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.40	U	1.50	4.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.40	U	1.40	4.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.40	U	1.30	4.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.40	U	1.60	4.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.40	U	2.60	4.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.40	U	2.80	4.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.7		63 - 155	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.5		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.2		38 - 136	82%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	7.713			
540-36-3	1,4-Difluorobenzene	425000	8.616			
3114-55-4	Chlorobenzene-d5	386000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89
Sample Wt/Vol:	6.37 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022162.D	1		05/05/25 16:18	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.54 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022163.D	1		05/05/25 16:42	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.80	U	1.10	4.80	ug/Kg
74-87-3	Chloromethane	4.80	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	4.80	U	0.76	4.80	ug/Kg
74-83-9	Bromomethane	4.80	U	1.00	4.80	ug/Kg
75-00-3	Chloroethane	4.80	U	1.20	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.30	J	1.20	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.80	U	1.00	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	4.80	U	0.97	4.80	ug/Kg
67-64-1	Acetone	24.1	U	4.60	24.1	ug/Kg
75-15-0	Carbon Disulfide	1.00	J	1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.80	U	0.70	4.80	ug/Kg
79-20-9	Methyl Acetate	4.80	U	1.50	4.80	ug/Kg
75-09-2	Methylene Chloride	4.50	J	3.40	9.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.80	U	0.83	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	4.80	U	0.77	4.80	ug/Kg
110-82-7	Cyclohexane	4.80	U	0.76	4.80	ug/Kg
78-93-3	2-Butanone	24.1	U	6.30	24.1	ug/Kg
56-23-5	Carbon Tetrachloride	4.80	U	0.94	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.80	U	0.72	4.80	ug/Kg
74-97-5	Bromochloromethane	4.80	U	1.10	4.80	ug/Kg
67-66-3	Chloroform	4.80	U	0.81	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.80	U	0.90	4.80	ug/Kg
108-87-2	Methylcyclohexane	4.80	U	0.88	4.80	ug/Kg
71-43-2	Benzene	4.80	U	0.76	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	4.80	U	0.76	4.80	ug/Kg
79-01-6	Trichloroethene	4.80	U	0.78	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	4.80	U	0.88	4.80	ug/Kg
75-27-4	Bromodichloromethane	4.80	U	0.75	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	24.1	U	3.50	24.1	ug/Kg
108-88-3	Toluene	4.80	U	0.75	4.80	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.54 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022163.D	1		05/05/25 16:42	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.80	U	0.63	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.80	U	0.60	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.80	U	0.89	4.80	ug/Kg
591-78-6	2-Hexanone	24.1	U	3.60	24.1	ug/Kg
124-48-1	Dibromochloromethane	4.80	U	0.84	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	4.80	U	0.85	4.80	ug/Kg
127-18-4	Tetrachloroethene	4.80	U	1.00	4.80	ug/Kg
108-90-7	Chlorobenzene	4.80	U	0.88	4.80	ug/Kg
100-41-4	Ethyl Benzene	4.80	U	0.65	4.80	ug/Kg
179601-23-1	m/p-Xylenes	9.70	U	1.20	9.70	ug/Kg
95-47-6	o-Xylene	4.80	U	0.79	4.80	ug/Kg
100-42-5	Styrene	4.80	U	0.69	4.80	ug/Kg
75-25-2	Bromoform	4.80	U	0.83	4.80	ug/Kg
98-82-8	Isopropylbenzene	4.80	U	0.75	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.80	U	1.20	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.80	U	1.70	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.80	U	1.50	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.80	U	1.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.80	U	1.80	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.80	U	2.90	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.80	U	3.10	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		63 - 155	113%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		70 - 134	103%	SPK: 50
2037-26-5	Toluene-d8	49.1		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.5		38 - 136	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	7.707			
540-36-3	1,4-Difluorobenzene	427000	8.615			
3114-55-4	Chlorobenzene-d5	385000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.54 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022163.D	1		05/05/25 16:42	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.2
Sample Wt/Vol:	6.15 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022164.D	1		05/05/25 17:05	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4.50	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	4.50	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	4.50	U	0.71	4.50	ug/Kg
74-83-9	Bromomethane	4.50	U	0.96	4.50	ug/Kg
75-00-3	Chloroethane	4.50	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	4.50	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4.50	U	0.96	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	4.50	U	0.90	4.50	ug/Kg
67-64-1	Acetone	22.5	U	4.30	22.5	ug/Kg
75-15-0	Carbon Disulfide	4.50	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	4.50	U	0.66	4.50	ug/Kg
79-20-9	Methyl Acetate	4.50	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	3.70	J	3.20	9.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	4.50	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	4.50	U	0.72	4.50	ug/Kg
110-82-7	Cyclohexane	4.50	U	0.71	4.50	ug/Kg
78-93-3	2-Butanone	22.5	U	5.90	22.5	ug/Kg
56-23-5	Carbon Tetrachloride	4.50	U	0.87	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	4.50	U	0.68	4.50	ug/Kg
74-97-5	Bromochloromethane	4.50	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	4.50	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	4.50	U	0.84	4.50	ug/Kg
108-87-2	Methylcyclohexane	4.50	U	0.82	4.50	ug/Kg
71-43-2	Benzene	4.50	U	0.71	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	4.50	U	0.71	4.50	ug/Kg
79-01-6	Trichloroethene	4.50	U	0.73	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	4.50	U	0.82	4.50	ug/Kg
75-27-4	Bromodichloromethane	4.50	U	0.70	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	22.5	U	3.20	22.5	ug/Kg
108-88-3	Toluene	4.50	U	0.70	4.50	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.2
Sample Wt/Vol:	6.15 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022164.D	1		05/05/25 17:05	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	4.50	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	4.50	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	4.50	U	0.83	4.50	ug/Kg
591-78-6	2-Hexanone	22.5	U	3.30	22.5	ug/Kg
124-48-1	Dibromochloromethane	4.50	U	0.78	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	4.50	U	0.79	4.50	ug/Kg
127-18-4	Tetrachloroethene	4.50	U	0.95	4.50	ug/Kg
108-90-7	Chlorobenzene	4.50	U	0.82	4.50	ug/Kg
100-41-4	Ethyl Benzene	4.50	U	0.60	4.50	ug/Kg
179601-23-1	m/p-Xylenes	9.00	U	1.10	9.00	ug/Kg
95-47-6	o-Xylene	4.50	U	0.74	4.50	ug/Kg
100-42-5	Styrene	4.50	U	0.64	4.50	ug/Kg
75-25-2	Bromoform	4.50	U	0.78	4.50	ug/Kg
98-82-8	Isopropylbenzene	4.50	U	0.70	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4.50	U	1.10	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	4.50	U	1.50	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	4.50	U	1.40	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	4.50	U	1.30	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	4.50	U	1.70	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4.50	U	2.70	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.50	U	2.90	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.8		63 - 155	114%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	49.4		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.3		38 - 136	85%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	7.707			
540-36-3	1,4-Difluorobenzene	423000	8.616			
3114-55-4	Chlorobenzene-d5	385000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	144000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	90.2
Sample Wt/Vol:	6.15 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022164.D	1		05/05/25 17:05	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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:	Prep Date	Date Analyzed	Prep Batch ID
VN086488.D	1		05/05/25 16:00	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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:	Prep Date	Date Analyzed	Prep Batch ID
VN086488.D	1		05/05/25 16:00	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.2		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	60.2		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	141000	8.224			
540-36-3	1,4-Difluorobenzene	273000	9.1			
3114-55-4	Chlorobenzene-d5	256000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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:	Prep Date	Date Analyzed	Prep Batch ID
VN086488.D	1		05/05/25 16:00	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	TB	SDG No.:	Q1956
Lab Sample ID:	Q1956-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046184.D	1		05/14/25 11:13	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	TB	SDG No.:	Q1956
Lab Sample ID:	Q1956-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046184.D	1		05/14/25 11:13	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.3		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.6		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	65800	5.55			
540-36-3	1,4-Difluorobenzene	132000	6.757			
3114-55-4	Chlorobenzene-d5	124000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	53600	12.018			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	TB	SDG No.:	Q1956
Lab Sample ID:	Q1956-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046184.D	1		05/14/25 11:13	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1956-01	SB1-3-4	1,2-Dichloroethane-d4	50	55.6	111	63	155
		Dibromofluoromethane	50	52.5	105	70	134
		Toluene-d8	50	49.5	99	74	123
		4-Bromofluorobenzene	50	41.2	82	38	136
Q1956-02	SB2-4-5	1,2-Dichloroethane-d4	50	56.3	113	63	155
		Dibromofluoromethane	50	51.5	103	70	134
		Toluene-d8	50	49.0	98	74	123
		4-Bromofluorobenzene	50	39.5	79	38	136
Q1956-03MS	SB2-4-5MS	1,2-Dichloroethane-d4	50	55.9	112	63	155
		Dibromofluoromethane	50	58.0	116	70	134
		Toluene-d8	50	60.8	122	74	123
		4-Bromofluorobenzene	50	55.6	111	38	136
Q1956-04MSD	SB2-4-5MSD	1,2-Dichloroethane-d4	50	51.3	103	63	155
		Dibromofluoromethane	50	56.8	114	70	134
		Toluene-d8	50	58.8	118	74	123
		4-Bromofluorobenzene	50	52.5	105	38	136
Q1956-06	SB91-3-4	1,2-Dichloroethane-d4	50	56.8	114	63	155
		Dibromofluoromethane	50	51.2	102	70	134
		Toluene-d8	50	49.4	99	74	123
		4-Bromofluorobenzene	50	42.3	85	38	136
VY0505SBL01	VY0505SBL01	1,2-Dichloroethane-d4	50	49.8	100	63	155
		Dibromofluoromethane	50	50.1	100	70	134
		Toluene-d8	50	46.5	93	74	123
		4-Bromofluorobenzene	50	55.3	111	38	136
VY0505SBS01	VY0505SBS01	1,2-Dichloroethane-d4	50	49.9	100	63	155
		Dibromofluoromethane	50	49.4	99	70	134
		Toluene-d8	50	48.9	98	74	123
		4-Bromofluorobenzene	50	50.1	100	38	136

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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1956-07	FB-05022025	1,2-Dichloroethane-d4	50	50.2	100	74	125
		Dibromofluoromethane	50	60.2	120	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	48.1	96	77	121
Q1956-09	TB	1,2-Dichloroethane-d4	50	54.3	109	74	125
		Dibromofluoromethane	50	51.0	102	75	124
		Toluene-d8	50	50.6	101	86	113
		4-Bromofluorobenzene	50	49.5	99	77	121
VN0505WBL01	VN0505WBL01	1,2-Dichloroethane-d4	50	49.0	98	74	125
		Dibromofluoromethane	50	60.2	120	75	124
		Toluene-d8	50	50.8	102	86	113
		4-Bromofluorobenzene	50	47.3	95	77	121
VN0505WBS01	VN0505WBS01	1,2-Dichloroethane-d4	50	51.6	103	74	125
		Dibromofluoromethane	50	57.8	116	75	124
		Toluene-d8	50	51.4	103	86	113
		4-Bromofluorobenzene	50	50.1	100	77	121
VX0514WBL01	VX0514WBL01	1,2-Dichloroethane-d4	50	53.7	107	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	50.1	100	86	113
		4-Bromofluorobenzene	50	51.1	102	77	121
VX0514WBS01	VX0514WBS01	1,2-Dichloroethane-d4	50	52.1	104	74	125
		Dibromofluoromethane	50	51.2	102	75	124
		Toluene-d8	50	51.3	103	86	113
		4-Bromofluorobenzene	50	50.2	100	77	121
VX0514WBSD0	VX0514WBSD01	1,2-Dichloroethane-d4	50	51.3	103	74	125
		Dibromofluoromethane	50	51.6	103	75	124
		Toluene-d8	50	51.2	102	86	113
		4-Bromofluorobenzene	50	50.8	101	77	121

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1956-03MS		**Client Sample ID : SB2-4-5MS**						**Datafile :**	VY022165.D		
Dichlorodifluoromethane	45.6	0	40.8	ug/Kg	89				40	150	
Chloromethane	45.6	0	45.3	ug/Kg	99				24	175	
Vinyl chloride	45.6	0	48.7	ug/Kg	107				21	175	
Bromomethane	45.6	0	41.5	ug/Kg	91				46	150	
Chloroethane	45.6	0	51.8	ug/Kg	114				30	175	
Trichlorofluoromethane	45.6	1.30	46.3	ug/Kg	99				53	150	
1,1,2-Trichlorotrifluoroethane	45.6	0	44.5	ug/Kg	98				60	135	
1,1-Dichloroethene	45.6	0	44.9	ug/Kg	98				63	136	
Acetone	230	0	270	ug/Kg	117				41	175	
Carbon disulfide	45.6	1.00	41.0	ug/Kg	88				45	126	
Methyl tert-butyl Ether	45.6	0	47.4	ug/Kg	104				56	175	
Methyl Acetate	45.6	0	86.3	ug/Kg	189	*			32	175	
Methylene Chloride	45.6	4.50	46.5	ug/Kg	92				59	175	
trans-1,2-Dichloroethene	45.6	0	46.9	ug/Kg	103				63	137	
1,1-Dichloroethane	45.6	0	50.9	ug/Kg	112				62	154	
Cyclohexane	45.6	0	45.5	ug/Kg	100				41	131	
2-Butanone	230	0	230	ug/Kg	100				48	174	
Carbon Tetrachloride	45.6	0	47.8	ug/Kg	105				48	149	
cis-1,2-Dichloroethene	45.6	0	49.0	ug/Kg	107				59	153	
Bromochloromethane	45.6	0	54.5	ug/Kg	120				54	172	
Chloroform	45.6	0	50.6	ug/Kg	111				60	159	
1,1,1-Trichloroethane	45.6	0	48.7	ug/Kg	107				60	149	
Methylcyclohexane	45.6	0	45.4	ug/Kg	100				19	135	
Benzene	45.6	0	50.6	ug/Kg	111				59	140	
1,2-Dichloroethane	45.6	0	49.1	ug/Kg	108				63	153	
Trichloroethene	45.6	0	46.8	ug/Kg	103				45	154	
1,2-Dichloropropane	45.6	0	51.9	ug/Kg	114				67	141	
Bromodichloromethane	45.6	0	50.9	ug/Kg	112				54	160	
4-Methyl-2-Pentanone	230	0	250	ug/Kg	109				54	164	
Toluene	45.6	0	52.4	ug/Kg	115				61	134	
t-1,3-Dichloropropene	45.6	0	45.6	ug/Kg	100				47	155	
cis-1,3-Dichloropropene	45.6	0	45.7	ug/Kg	100				56	141	
1,1,2-Trichloroethane	45.6	0	48.1	ug/Kg	105				69	148	
2-Hexanone	230	0	240	ug/Kg	104				43	164	
Dibromochloromethane	45.6	0	47.7	ug/Kg	105				65	143	
1,2-Dibromoethane	45.6	0	46.5	ug/Kg	102				63	144	
Tetrachloroethene	45.6	0	47.7	ug/Kg	105				27	175	
Chlorobenzene	45.6	0	46.7	ug/Kg	102				66	127	
Ethyl Benzene	45.6	0	49.8	ug/Kg	109				54	134	
m/p-Xylenes	91.1	0	100	ug/Kg	110				51	137	
o-Xylene	45.6	0	49.4	ug/Kg	108				57	139	
Styrene	45.6	0	36.0	ug/Kg	79				47	136	
Bromoform	45.6	0	44.1	ug/Kg	97				64	144	
Isopropylbenzene	45.6	0	50.0	ug/Kg	110				44	160	
1,1,2,2-Tetrachloroethane	45.6	0	46.9	ug/Kg	103				18	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	45.6	0	42.5	ug/Kg	93				55	131	
1,4-Dichlorobenzene	45.6	0	42.8	ug/Kg	94				57	129	
1,2-Dichlorobenzene	45.6	0	42.8	ug/Kg	94				54	140	
1,2-Dibromo-3-Chloropropane	45.6	0	43.7	ug/Kg	96				46	175	
1,2,4-Trichlorobenzene	45.6	0	29.2	ug/Kg	64				12	127	
1,2,3-Trichlorobenzene	45.6	0	27.7	ug/Kg	61				10	160	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q1956-04MSD		**Client Sample ID : SB2-4-5MSD**						**Datafile :** VY022166.D			
Dichlorodifluoromethane	43.3	0	45.3	ug/Kg	105		16		40	150	20
Chloromethane	43.3	0	46.2	ug/Kg	107		7		24	175	20
Vinyl chloride	43.3	0	51.2	ug/Kg	118		10		21	175	20
Bromomethane	43.3	0	43.4	ug/Kg	100		10		46	150	20
Chloroethane	43.3	0	51.5	ug/Kg	119		5		30	175	20
Trichlorofluoromethane	43.3	1.30	46.8	ug/Kg	105		6		53	150	20
1,1,2-Trichlorotrifluoroethane	43.3	0	46.8	ug/Kg	108		10		60	135	20
1,1-Dichloroethene	43.3	0	46.8	ug/Kg	108		9		63	136	20
Acetone	220	0	200	ug/Kg	91		25	*	41	175	20
Carbon disulfide	43.3	1.00	41.8	ug/Kg	94		7		45	126	20
Methyl tert-butyl Ether	43.3	0	42.0	ug/Kg	97		7		56	175	20
Methyl Acetate	43.3	0	67.4	ug/Kg	156		19		32	175	20
Methylene Chloride	43.3	4.50	43.0	ug/Kg	89		3		59	175	20
trans-1,2-Dichloroethene	43.3	0	47.0	ug/Kg	109		5		63	137	20
1,1-Dichloroethane	43.3	0	50.3	ug/Kg	116		4		62	154	20
Cyclohexane	43.3	0	46.7	ug/Kg	108		8		41	131	20
2-Butanone	220	0	180	ug/Kg	82		20		48	174	20
Carbon Tetrachloride	43.3	0	49.3	ug/Kg	114		8		48	149	20
cis-1,2-Dichloroethene	43.3	0	47.5	ug/Kg	110		2		59	153	20
Bromochloromethane	43.3	0	44.2	ug/Kg	102		16		54	172	20
Chloroform	43.3	0	49.7	ug/Kg	115		3		60	159	20
1,1,1-Trichloroethane	43.3	0	49.7	ug/Kg	115		7		60	149	20
Methylcyclohexane	43.3	0	48.1	ug/Kg	111		11		19	135	20
Benzene	43.3	0	50.5	ug/Kg	117		5		59	140	20
1,2-Dichloroethane	43.3	0	44.9	ug/Kg	104		4		63	153	20
Trichloroethene	43.3	0	47.8	ug/Kg	110		7		45	154	20
1,2-Dichloropropane	43.3	0	50.3	ug/Kg	116		2		67	141	20
Bromodichloromethane	43.3	0	47.9	ug/Kg	111		1		54	160	20
4-Methyl-2-Pentanone	220	0	190	ug/Kg	86		23	*	54	164	20
Toluene	43.3	0	51.4	ug/Kg	119		3		61	134	20
t-1,3-Dichloropropene	43.3	0	41.4	ug/Kg	96		4		47	155	20
cis-1,3-Dichloropropene	43.3	0	44.2	ug/Kg	102		2		56	141	20
1,1,2-Trichloroethane	43.3	0	43.0	ug/Kg	99		6		69	148	20
2-Hexanone	220	0	180	ug/Kg	82		24	*	43	164	20
Dibromochloromethane	43.3	0	43.1	ug/Kg	100		5		65	143	20
1,2-Dibromoethane	43.3	0	40.2	ug/Kg	93		9		63	144	20
Tetrachloroethene	43.3	0	49.2	ug/Kg	114		8		27	175	20
Chlorobenzene	43.3	0	47.7	ug/Kg	110		7		66	127	20
Ethyl Benzene	43.3	0	51.9	ug/Kg	120		9		54	134	20
m/p-Xylenes	86.7	0	100	ug/Kg	115		5		51	137	20
o-Xylene	43.3	0	51.4	ug/Kg	119		9		57	139	20
Styrene	43.3	0	38.0	ug/Kg	88		11		47	136	20
Bromoform	43.3	0	39.0	ug/Kg	90		7		64	144	20
Isopropylbenzene	43.3	0	55.0	ug/Kg	127		15		44	160	20
1,1,2,2-Tetrachloroethane	43.3	0	42.8	ug/Kg	99		4		18	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	43.3	0	45.9	ug/Kg	106		13		55	131	20
1,4-Dichlorobenzene	43.3	0	44.1	ug/Kg	102		8		57	129	20
1,2-Dichlorobenzene	43.3	0	44.3	ug/Kg	102		9		54	140	20
1,2-Dibromo-3-Chloropropane	43.3	0	36.4	ug/Kg	84		13		46	175	20
1,2,4-Trichlorobenzene	43.3	0	28.7	ug/Kg	66		3		12	127	20
1,2,3-Trichlorobenzene	43.3	0	25.7	ug/Kg	59		2		10	160	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VN086481.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0505WBS01	Dichlorodifluoromethane	20	19.6	ug/L	98			69	116	
	Chloromethane	20	17.7	ug/L	89			65	116	
	Vinyl chloride	20	19.0	ug/L	95			65	117	
	Bromomethane	20	24.1	ug/L	121			58	125	
	Chloroethane	20	19.2	ug/L	96			56	128	
	Trichlorofluoromethane	20	20.2	ug/L	101			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			80	112	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	Acetone	100	92.7	ug/L	93			60	125	
	Carbon disulfide	20	17.7	ug/L	89			64	112	
	Methyl tert-butyl Ether	20	18.7	ug/L	94			78	114	
	Methyl Acetate	20	16.3	ug/L	81			67	125	
	Methylene Chloride	20	20.0	ug/L	100			72	114	
	trans-1,2-Dichloroethene	20	19.6	ug/L	98			75	108	
	1,1-Dichloroethane	20	19.1	ug/L	96			78	112	
	Cyclohexane	20	17.6	ug/L	88			75	110	
	2-Butanone	100	88.3	ug/L	88			65	122	
	Carbon Tetrachloride	20	20.6	ug/L	103			77	113	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			77	110	
	Bromochloromethane	20	18.4	ug/L	92			70	124	
	Chloroform	20	20.2	ug/L	101			79	113	
	1,1,1-Trichloroethane	20	20.7	ug/L	104			80	108	
	Methylcyclohexane	20	18.4	ug/L	92			72	115	
	Benzene	20	19.6	ug/L	98			82	109	
	1,2-Dichloroethane	20	20.6	ug/L	103			80	115	
	Trichloroethene	20	20.4	ug/L	102			77	113	
	1,2-Dichloropropane	20	19.1	ug/L	96			83	111	
	Bromodichloromethane	20	20.6	ug/L	103			83	110	
	4-Methyl-2-Pentanone	100	93.0	ug/L	93			74	118	
	Toluene	20	20.4	ug/L	102			82	110	
	t-1,3-Dichloropropene	20	19.8	ug/L	99			79	110	
	cis-1,3-Dichloropropene	20	18.9	ug/L	95			82	110	
	1,1,2-Trichloroethane	20	20.9	ug/L	104			83	112	
	2-Hexanone	100	94.1	ug/L	94			73	117	
	Dibromochloromethane	20	21.3	ug/L	106			82	110	
	1,2-Dibromoethane	20	20.9	ug/L	104			81	110	
	Tetrachloroethene	20	20.0	ug/L	100			67	123	
	Chlorobenzene	20	20.5	ug/L	103			82	109	
	Ethyl Benzene	20	19.8	ug/L	99			83	109	
	m/p-Xylenes	40	40.3	ug/L	101			82	110	
	o-Xylene	20	20.3	ug/L	102			83	109	
	Styrene	20	20.0	ug/L	100			80	111	
	Bromoform	20	20.1	ug/L	101			79	109	
	Isopropylbenzene	20	20.2	ug/L	101			83	112	
	1,1,2,2-Tetrachloroethane	20	21.2	ug/L	106			76	118	
	1,3-Dichlorobenzene	20	20.5	ug/L	103			82	108	
	1,4-Dichlorobenzene	20	20.4	ug/L	102			82	107	
	1,2-Dichlorobenzene	20	20.3	ug/L	102			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VN086481.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0505WBS01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/L	93			68	112	
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			75	113	
	1,2,3-Trichlorobenzene	20	19.2	ug/L	96			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046188.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0514WBS01	Dichlorodifluoromethane	20	20.1	ug/L	101			69	116	
	Chloromethane	20	19.3	ug/L	97			65	116	
	Vinyl chloride	20	18.8	ug/L	94			65	117	
	Bromomethane	20	18.1	ug/L	91			58	125	
	Chloroethane	20	21.6	ug/L	108			56	128	
	Trichlorofluoromethane	20	20.1	ug/L	101			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			80	112	
	1,1-Dichloroethene	20	18.9	ug/L	95			74	110	
	Acetone	100	99.9	ug/L	100			60	125	
	Carbon disulfide	20	16.6	ug/L	83			64	112	
	Methyl tert-butyl Ether	20	19.7	ug/L	99			78	114	
	Methyl Acetate	20	22.7	ug/L	114			67	125	
	Methylene Chloride	20	18.7	ug/L	94			72	114	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			75	108	
	1,1-Dichloroethane	20	20.0	ug/L	100			78	112	
	Cyclohexane	20	19.3	ug/L	97			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	19.3	ug/L	97			77	113	
	cis-1,2-Dichloroethene	20	19.7	ug/L	99			77	110	
	Bromochloromethane	20	23.0	ug/L	115			70	124	
	Chloroform	20	20.6	ug/L	103			79	113	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			80	108	
	Methylcyclohexane	20	17.9	ug/L	90			72	115	
	Benzene	20	19.8	ug/L	99			82	109	
	1,2-Dichloroethane	20	20.1	ug/L	101			80	115	
	Trichloroethene	20	18.9	ug/L	95			77	113	
	1,2-Dichloropropane	20	20.4	ug/L	102			83	111	
	Bromodichloromethane	20	19.8	ug/L	99			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.5	ug/L	98			82	110	
	t-1,3-Dichloropropene	20	18.4	ug/L	92			79	110	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			82	110	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			83	112	
	2-Hexanone	100	100	ug/L	100			73	117	
	Dibromochloromethane	20	19.7	ug/L	99			82	110	
	1,2-Dibromoethane	20	19.9	ug/L	100			81	110	
	Tetrachloroethene	20	18.5	ug/L	93			67	123	
	Chlorobenzene	20	19.0	ug/L	95			82	109	
	Ethyl Benzene	20	19.4	ug/L	97			83	109	
	m/p-Xylenes	40	39.2	ug/L	98			82	110	
	o-Xylene	20	19.5	ug/L	98			83	109	
	Styrene	20	20.0	ug/L	100			80	111	
	Bromoform	20	18.6	ug/L	93			79	109	
	Isopropylbenzene	20	20.3	ug/L	102			83	112	
	1,1,2,2-Tetrachloroethane	20	20.2	ug/L	101			76	118	
	1,3-Dichlorobenzene	20	19.3	ug/L	97			82	108	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			82	107	
	1,2-Dichlorobenzene	20	20.0	ug/L	100			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046188.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0514WBS01	1,2-Dibromo-3-Chloropropane	20	20.3	ug/L	102			68	112	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			75	113	
	1,2,3-Trichlorobenzene	20	18.9	ug/L	95			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046189.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0514WBSD01	Dichlorodifluoromethane	20	19.3	ug/L	97	4		69	116	20
	Chloromethane	20	18.4	ug/L	92	5		65	116	20
	Vinyl chloride	20	18.1	ug/L	91	3		65	117	20
	Bromomethane	20	17.8	ug/L	89	2		58	125	20
	Chloroethane	20	20.4	ug/L	102	6		56	128	20
	Trichlorofluoromethane	20	19.6	ug/L	98	3		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	19.4	ug/L	97	2		80	112	20
	1,1-Dichloroethene	20	18.8	ug/L	94	1		74	110	20
	Acetone	100	100	ug/L	100	0		60	125	20
	Carbon disulfide	20	16.6	ug/L	83	0		64	112	20
	Methyl tert-butyl Ether	20	20.2	ug/L	101	2		78	114	20
	Methyl Acetate	20	21.9	ug/L	110	4		67	125	20
	Methylene Chloride	20	18.5	ug/L	93	1		72	114	20
	trans-1,2-Dichloroethene	20	19.1	ug/L	96	2		75	108	20
	1,1-Dichloroethane	20	20.1	ug/L	101	1		78	112	20
	Cyclohexane	20	19.0	ug/L	95	2		75	110	20
	2-Butanone	100	100	ug/L	100	0		65	122	20
	Carbon Tetrachloride	20	19.2	ug/L	96	1		77	113	20
	cis-1,2-Dichloroethene	20	19.8	ug/L	99	0		77	110	20
	Bromochloromethane	20	23.0	ug/L	115	0		70	124	20
	Chloroform	20	20.6	ug/L	103	0		79	113	20
	1,1,1-Trichloroethane	20	19.4	ug/L	97	3		80	108	20
	Methylcyclohexane	20	18.2	ug/L	91	1		72	115	20
	Benzene	20	19.8	ug/L	99	0		82	109	20
	1,2-Dichloroethane	20	20.6	ug/L	103	2		80	115	20
	Trichloroethene	20	19.4	ug/L	97	2		77	113	20
	1,2-Dichloropropane	20	20.8	ug/L	104	2		83	111	20
	Bromodichloromethane	20	20.6	ug/L	103	4		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		74	118	20
	Toluene	20	19.9	ug/L	100	2		82	110	20
	t-1,3-Dichloropropene	20	18.8	ug/L	94	2		79	110	20
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	3		82	110	20
	1,1,2-Trichloroethane	20	20.5	ug/L	103	0		83	112	20
	2-Hexanone	100	110	ug/L	110	10		73	117	20
	Dibromochloromethane	20	20.3	ug/L	102	3		82	110	20
	1,2-Dibromoethane	20	20.5	ug/L	103	3		81	110	20
	Tetrachloroethene	20	18.7	ug/L	94	1		67	123	20
	Chlorobenzene	20	19.3	ug/L	97	2		82	109	20
	Ethyl Benzene	20	19.4	ug/L	97	0		83	109	20
	m/p-Xylenes	40	38.7	ug/L	97	1		82	110	20
	o-Xylene	20	19.5	ug/L	98	0		83	109	20
	Styrene	20	20.3	ug/L	102	2		80	111	20
	Bromoform	20	18.5	ug/L	93	0		79	109	20
	Isopropylbenzene	20	19.5	ug/L	98	4		83	112	20
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101	0		76	118	20
	1,3-Dichlorobenzene	20	19.3	ug/L	97	0		82	108	20
	1,4-Dichlorobenzene	20	19.4	ug/L	97	1		82	107	20
	1,2-Dichlorobenzene	20	20.0	ug/L	100	0		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260-Low **Datafile :** VX046189.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0514WBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100	2		68	112	20
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91	1		75	113	20
	1,2,3-Trichlorobenzene	20	18.8	ug/L	94	1		76	114	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022147.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0505SBS01	Dichlorodifluoromethane	20	18.8	ug/Kg	94			64	136	
	Chloromethane	20	19.9	ug/Kg	100			70	130	
	Vinyl chloride	20	19.9	ug/Kg	100			72	129	
	Bromomethane	20	22.1	ug/Kg	111			58	141	
	Chloroethane	20	20.7	ug/Kg	104			69	130	
	Trichlorofluoromethane	20	20.5	ug/Kg	103			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104			81	123	
	1,1-Dichloroethene	20	20.0	ug/Kg	100			79	121	
	Acetone	100	93.4	ug/Kg	93			60	131	
	Carbon disulfide	20	19.2	ug/Kg	96			45	154	
	Methyl tert-butyl Ether	20	19.4	ug/Kg	97			77	129	
	Methyl Acetate	20	20.4	ug/Kg	102			69	149	
	Methylene Chloride	20	18.7	ug/Kg	94			56	174	
	trans-1,2-Dichloroethene	20	19.9	ug/Kg	100			80	123	
	1,1-Dichloroethane	20	20.1	ug/Kg	101			82	123	
	Cyclohexane	20	19.8	ug/Kg	99			76	122	
	2-Butanone	100	92.1	ug/Kg	92			69	131	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			76	129	
	cis-1,2-Dichloroethene	20	19.8	ug/Kg	99			82	123	
	Bromochloromethane	20	20.5	ug/Kg	103			80	127	
	Chloroform	20	20.3	ug/Kg	102			82	125	
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104			80	126	
	Methylcyclohexane	20	19.7	ug/Kg	99			77	123	
	Benzene	20	20.2	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	21.0	ug/Kg	105			81	126	
	Trichloroethene	20	20.7	ug/Kg	104			83	122	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.5	ug/Kg	103			82	123	
	4-Methyl-2-Pentanone	100	95.6	ug/Kg	96			70	135	
	Toluene	20	20.2	ug/Kg	101			83	122	
	t-1,3-Dichloropropene	20	20.2	ug/Kg	101			78	124	
	cis-1,3-Dichloropropene	20	20.0	ug/Kg	100			81	122	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			82	125	
	2-Hexanone	100	92.9	ug/Kg	93			66	138	
	Dibromochloromethane	20	19.5	ug/Kg	98			79	125	
	1,2-Dibromoethane	20	19.6	ug/Kg	98			80	125	
	Tetrachloroethene	20	21.3	ug/Kg	106			83	125	
	Chlorobenzene	20	20.0	ug/Kg	100			84	122	
	Ethyl Benzene	20	19.6	ug/Kg	98			82	124	
	m/p-Xylenes	40	40.3	ug/Kg	101			83	124	
	o-Xylene	20	19.9	ug/Kg	100			83	123	
	Styrene	20	19.8	ug/Kg	99			82	124	
	Bromoform	20	19.3	ug/Kg	97			75	127	
	Isopropylbenzene	20	19.5	ug/Kg	98			82	124	
	1,1,2,2-Tetrachloroethane	20	18.9	ug/Kg	95			77	127	
	1,3-Dichlorobenzene	20	19.6	ug/Kg	98			83	122	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VY022147.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0505SBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/Kg	98			66	134	
	1,2,4-Trichlorobenzene	20	18.4	ug/Kg	92			78	127	
	1,2,3-Trichlorobenzene	20	18.4	ug/Kg	92			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0505WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086480.D Lab Sample ID: VN0505WBL01

Date Analyzed: 05/05/2025 Time Analyzed: 12:38

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0505WBS01	VN0505WBS01	VN086481.D	05/05/2025
FB-05022025	Q1956-07	VN086488.D	05/05/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0514WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046183.D Lab Sample ID: VX0514WBL01

Date Analyzed: 05/14/2025 Time Analyzed: 10:50

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TB	Q1956-09	VX046184.D	05/14/2025
VX0514WBS01	VX0514WBS01	VX046188.D	05/14/2025
VX0514WBSD01	VX0514WBSD01	VX046189.D	05/14/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0505SBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022146.D Lab Sample ID: VY0505SBL01

Date Analyzed: 05/05/2025 Time Analyzed: 09:24

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0505SBS01	VY0505SBS01	VY022147.D	05/05/2025
SB1-3-4	Q1956-01	VY022162.D	05/05/2025
SB2-4-5	Q1956-02	VY022163.D	05/05/2025
SB91-3-4	Q1956-06	VY022164.D	05/05/2025
SB2-4-5MS	Q1956-03MS	VY022165.D	05/05/2025
SB2-4-5MSD	Q1956-04MSD	VY022166.D	05/05/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086276.D BFB Injection Date: 04/15/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:47

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086277.D	04/15/2025	11:29
VSTDICC005	VSTDICC005	VN086278.D	04/15/2025	12:21
VSTDICC010	VSTDICC010	VN086279.D	04/15/2025	12:45
VSTDICC020	VSTDICC020	VN086280.D	04/15/2025	13:09
VSTDICCC050	VSTDICCC050	VN086281.D	04/15/2025	13:51
VSTDICC100	VSTDICC100	VN086282.D	04/15/2025	14:29

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086477.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:23

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	74
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	70.3 (95) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086478.D	05/05/2025	11:32
VN0505WBL01	VN0505WBL01	VN086480.D	05/05/2025	12:38
VN0505WBS01	VN0505WBS01	VN086481.D	05/05/2025	13:02
FB-05022025	Q1956-07	VN086488.D	05/05/2025	16:00

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046038.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	56.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	68.8
175	5.0 - 9.0% of mass 174	5 (7.3) 1
176	95.0 - 101.0% of mass 174	66.7 (97) 1
177	5.0 - 9.0% of mass 176	4.6 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC020	VSTDICC020	VX046041.D	05/05/2025	11:35
VSTDICCC050	VSTDICCC050	VX046042.D	05/05/2025	11:58
VSTDICC100	VSTDICC100	VX046043.D	05/05/2025	12:21
VSTDICC150	VSTDICC150	VX046044.D	05/05/2025	12:45
VSTDICC005	VSTDICC005	VX046046.D	05/05/2025	16:04
VSTDICC001	VSTDICC001	VX046047.D	05/05/2025	16:27

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A B C D E F G

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046180.D BFB Injection Date: 05/14/2025

Instrument ID: MSVOA_X BFB Injection Time: 09:29

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.1
75	30.0 - 60.0% of mass 95	57.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.2 (0.3) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.2 (7.5) 1
176	95.0 - 101.0% of mass 174	65.9 (95.5) 1
177	5.0 - 9.0% of mass 176	4.1 (6.2) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046181.D	05/14/2025	09:59
VX0514WBL01	VX0514WBL01	VX046183.D	05/14/2025	10:50
TB	Q1956-09	VX046184.D	05/14/2025	11:13
VX0514WBS01	VX0514WBS01	VX046188.D	05/14/2025	12:46
VX0514WBSD01	VX0514WBSD01	VX046189.D	05/14/2025	13:12

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY021952.D BFB Injection Date: 04/22/2025

Instrument ID: MSVOA_Y BFB Injection Time: 11:33

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	16.9
75	30.0 - 60.0% of mass 95	49.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.5 (1.7) 1
174	50.0 - 100.0% of mass 95	88.4
175	5.0 - 9.0% of mass 174	7.1 (8) 1
176	95.0 - 101.0% of mass 174	84.9 (96.1) 1
177	5.0 - 9.0% of mass 176	5.5 (6.4) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY021953.D	04/22/2025	13:39
VSTDICC010	VSTDICC010	VY021954.D	04/22/2025	14:44
VSTDICC020	VSTDICC020	VY021955.D	04/22/2025	15:07
VSTDICCC050	VSTDICCC050	VY021956.D	04/22/2025	15:29
VSTDICC100	VSTDICC100	VY021957.D	04/22/2025	15:52
VSTDICC150	VSTDICC150	VY021958.D	04/22/2025	16:15

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A B C D E F G

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022144.D BFB Injection Date: 05/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:15

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	16.8
75	30.0 - 60.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.2 (1.4) 1
174	50.0 - 100.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	6.5 (7.7) 1
176	95.0 - 101.0% of mass 174	81.6 (95.6) 1
177	5.0 - 9.0% of mass 176	5.4 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022145.D	05/05/2025	08:46
VY0505SBL01	VY0505SBL01	VY022146.D	05/05/2025	09:24
VY0505SBS01	VY0505SBS01	VY022147.D	05/05/2025	09:55
SB1-3-4	Q1956-01	VY022162.D	05/05/2025	16:18
SB2-4-5	Q1956-02	VY022163.D	05/05/2025	16:42
SB91-3-4	Q1956-06	VY022164.D	05/05/2025	17:05
SB2-4-5MS	Q1956-03MS	VY022165.D	05/05/2025	17:28
SB2-4-5MSD	Q1956-04MSD	VY022166.D	05/05/2025	17:51

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	154484	8.22	297307	9.10	276417	11.87
UPPER LIMIT	308968	8.718	594614	9.6	552834	12.365
LOWER LIMIT	77242	7.718	148654	8.6	138209	11.365
EPA SAMPLE NO.						
FB-05022025	141270	8.22	272905	9.10	255761	11.87
VN0505WBL01	156438	8.22	296282	9.10	275019	11.87
VN0505WBS01	196497	8.22	366604	9.10	333505	11.87

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086478.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	133852	13.788				
UPPER LIMIT	267704	14.288				
LOWER LIMIT	66926	13.288				
EPA SAMPLE NO.						
FB-05022025	111305	13.79				
VN0505WBL01	110905	13.79				
VN0505WBS01	147574	13.79				

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046181.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	92522	5.54	155707	6.76	140519	10.05
UPPER LIMIT	185044	6.043	311414	7.257	281038	10.549
LOWER LIMIT	46261	5.043	77853.5	6.257	70259.5	9.549
EPA SAMPLE NO.						
TB	65765	5.55	132071	6.76	124301	10.05
VX0514WBL01	66143	5.55	133003	6.76	124085	10.05
VX0514WBS01	87880	5.55	155746	6.76	138245	10.05
VX0514WBSD01	86737	5.54	152178	6.76	134818	10.05

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VX046181.D Date Analyzed: 05/14/2025

Instrument ID: MSVOA_X Time Analyzed: 09:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	65751	12.018				
UPPER LIMIT	131502	12.518				
LOWER LIMIT	32875.5	11.518				
EPA SAMPLE NO.						
TB	53565	12.02				
VX0514WBL01	54666	12.02				
VX0514WBS01	63286	12.02				
VX0514WBSD01	63322	12.02				

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022145.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:46

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	301546	7.71	450262	8.62	415602	11.42
UPPER LIMIT	603092	8.213	900524	9.116	831204	11.92
LOWER LIMIT	150773	7.213	225131	8.116	207801	10.92
EPA SAMPLE NO.						
SB1-3-4	219011	7.71	424575	8.62	385973	11.41
SB2-4-5	219179	7.71	426674	8.62	385317	11.42
SB2-4-5MS	168734	7.71	261635	8.62	242756	11.41
SB2-4-5MSD	183464	7.71	282446	8.62	251760	11.41
SB91-3-4	214691	7.71	422744	8.62	385176	11.41
VY0505SBL01	329285	7.71	599236	8.62	511500	11.42
VY0505SBS01	283597	7.71	437631	8.62	395977	11.42

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VY022145.D Date Analyzed: 05/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 08:46

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	221579	13.347				
UPPER LIMIT	443158	13.847				
LOWER LIMIT	110790	12.847				
EPA SAMPLE NO.						
SB1-3-4	144961	13.35				
SB2-4-5	140796	13.35				
SB2-4-5MS	125407	13.35				
SB2-4-5MSD	123121	13.35				
SB91-3-4	143859	13.35				
VY0505SBL01	191516	13.35				
VY0505SBS01	212383	13.35				

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBL01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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:	Prep Date	Date Analyzed	Prep Batch ID
VN086480.D	1		05/05/25 12:38	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBL01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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:	Prep Date	Date Analyzed	Prep Batch ID
VN086480.D	1		05/05/25 12:38	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	60.2		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	50.8		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	8.224			
540-36-3	1,4-Difluorobenzene	296000	9.1			
3114-55-4	Chlorobenzene-d5	275000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBL01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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:	Prep Date	Date Analyzed	Prep Batch ID
VN086480.D	1		05/05/25 12:38	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBL01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046183.D	1		05/14/25 10:50	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBL01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046183.D	1		05/14/25 10:50	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.1		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	66100	5.55			
540-36-3	1,4-Difluorobenzene	133000	6.757			
3114-55-4	Chlorobenzene-d5	124000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	54700	12.018			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBL01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046183.D	1		05/14/25 10:50	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022146.D	1		05/05/25 09:24	VY050525

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022146.D	1		05/05/25 09:24	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	5.00	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	25.0	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	5.00	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	5.00	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	5.00	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	5.00	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	5.00	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	10.0	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	5.00	U	0.82	5.00	ug/Kg
100-42-5	Styrene	5.00	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	5.00	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	5.00	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	5.00	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	5.00	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	5.00	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	5.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5.00	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.8		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	46.5		74 - 123	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		38 - 136	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	7.713			
540-36-3	1,4-Difluorobenzene	599000	8.616			
3114-55-4	Chlorobenzene-d5	512000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	192000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBL01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022146.D	1		05/05/25 09:24	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
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() = Laboratory InHouse Limit
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBS01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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:	Prep Date	Date Analyzed	Prep Batch ID
VN086481.D	1		05/05/25 13:02	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.6		0.22	1.00	ug/L
74-87-3	Chloromethane	17.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
74-83-9	Bromomethane	24.1		1.40	5.00	ug/L
75-00-3	Chloroethane	19.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.1		0.23	1.00	ug/L
67-64-1	Acetone	92.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.6		1.50	5.00	ug/L
78-93-3	2-Butanone	88.3		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.4		0.16	1.00	ug/L
71-43-2	Benzene	19.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.1		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	93.0		0.68	5.00	ug/L
108-88-3	Toluene	20.4		0.14	1.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBS01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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:	Prep Date	Date Analyzed	Prep Batch ID
VN086481.D	1		05/05/25 13:02	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.9		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	94.1		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.8		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.24	2.00	ug/L
95-47-6	o-Xylene	20.3		0.12	1.00	ug/L
100-42-5	Styrene	20.0		0.15	1.00	ug/L
75-25-2	Bromoform	20.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.2		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.2		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	57.8		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	51.4		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	196000	8.224			
540-36-3	1,4-Difluorobenzene	367000	9.1			
3114-55-4	Chlorobenzene-d5	334000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.788			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0505WBS01	SDG No.:	Q1956
Lab Sample ID:	VN0505WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	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:	Prep Date	Date Analyzed	Prep Batch ID
VN086481.D	1		05/05/25 13:02	VN050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBS01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046188.D	1		05/14/25 12:46	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.1		0.22	1.00	ug/L
74-87-3	Chloromethane	19.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.8		0.26	1.00	ug/L
74-83-9	Bromomethane	18.1		1.40	5.00	ug/L
75-00-3	Chloroethane	21.6		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.9		0.23	1.00	ug/L
67-64-1	Acetone	99.9		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.7		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.3		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.3		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.0		0.22	1.00	ug/L
67-66-3	Chloroform	20.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.9		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.9		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.5		0.14	1.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBS01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046188.D	1		05/14/25 12:46	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.0		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.7		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.5		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.0		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.2		0.24	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	1.00	ug/L
100-42-5	Styrene	20.0		0.15	1.00	ug/L
75-25-2	Bromoform	18.6		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.2		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	51.3		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	87900	5.55			
540-36-3	1,4-Difluorobenzene	156000	6.757			
3114-55-4	Chlorobenzene-d5	138000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63300	12.018			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBS01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046188.D	1		05/14/25 12:46	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.9		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	93.4		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.2		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.4		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.7		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.9		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.8		0.79	5.00	ug/Kg
78-93-3	2-Butanone	92.1		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.8		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.7		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.0		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.7		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.5		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.6		3.60	25.0	ug/Kg
108-88-3	Toluene	20.2		0.78	5.00	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.2		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.0		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	92.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.6		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.3		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.0		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.6		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.3		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.3		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.6		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.4		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.9		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		38 - 136	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	7.713			
540-36-3	1,4-Difluorobenzene	438000	8.616			
3114-55-4	Chlorobenzene-d5	396000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	212000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VY0505SBS01	SDG No.:	Q1956
Lab Sample ID:	VY0505SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022147.D	1		05/05/25 09:55	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBSD01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046189.D	1		05/14/25 13:12	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.3		0.22	1.00	ug/L
74-87-3	Chloromethane	18.4		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.26	1.00	ug/L
74-83-9	Bromomethane	17.8		1.40	5.00	ug/L
75-00-3	Chloroethane	20.4		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.6		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.9		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.0		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.0		0.22	1.00	ug/L
67-66-3	Chloroform	20.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.2		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.8		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.9		0.14	1.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBSD01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046189.D	1		05/14/25 13:12	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.8		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.5		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.7		0.24	2.00	ug/L
95-47-6	o-Xylene	19.5		0.12	1.00	ug/L
100-42-5	Styrene	20.3		0.15	1.00	ug/L
75-25-2	Bromoform	18.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	51.2		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	86700	5.544			
540-36-3	1,4-Difluorobenzene	152000	6.757			
3114-55-4	Chlorobenzene-d5	135000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	63300	12.018			

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VX0514WBSD01	SDG No.:	Q1956
Lab Sample ID:	VX0514WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046189.D	1		05/14/25 13:12	VX051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.87 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022165.D	1		05/05/25 17:28	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	40.8		1.00	4.60	ug/Kg
74-87-3	Chloromethane	45.3		1.00	4.60	ug/Kg
75-01-4	Vinyl Chloride	48.7		0.72	4.60	ug/Kg
74-83-9	Bromomethane	41.5		0.97	4.60	ug/Kg
75-00-3	Chloroethane	51.8		1.10	4.60	ug/Kg
75-69-4	Trichlorofluoromethane	46.3		1.10	4.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	44.5		0.97	4.60	ug/Kg
75-35-4	1,1-Dichloroethene	44.9		0.91	4.60	ug/Kg
67-64-1	Acetone	270		4.30	22.8	ug/Kg
75-15-0	Carbon Disulfide	41.0		0.97	4.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	47.4		0.67	4.60	ug/Kg
79-20-9	Methyl Acetate	86.3		1.40	4.60	ug/Kg
75-09-2	Methylene Chloride	46.5		3.20	9.10	ug/Kg
156-60-5	trans-1,2-Dichloroethene	46.9		0.78	4.60	ug/Kg
75-34-3	1,1-Dichloroethane	50.9		0.73	4.60	ug/Kg
110-82-7	Cyclohexane	45.5		0.72	4.60	ug/Kg
78-93-3	2-Butanone	230		6.00	22.8	ug/Kg
56-23-5	Carbon Tetrachloride	47.8		0.88	4.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	49.0		0.68	4.60	ug/Kg
74-97-5	Bromochloromethane	54.5		1.00	4.60	ug/Kg
67-66-3	Chloroform	50.6		0.77	4.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	48.7		0.85	4.60	ug/Kg
108-87-2	Methylcyclohexane	45.4		0.83	4.60	ug/Kg
71-43-2	Benzene	50.6		0.72	4.60	ug/Kg
107-06-2	1,2-Dichloroethane	49.1		0.72	4.60	ug/Kg
79-01-6	Trichloroethene	46.8		0.74	4.60	ug/Kg
78-87-5	1,2-Dichloropropane	51.9		0.83	4.60	ug/Kg
75-27-4	Bromodichloromethane	50.9		0.71	4.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	250		3.30	22.8	ug/Kg
108-88-3	Toluene	52.4		0.71	4.60	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.87 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022165.D	1		05/05/25 17:28	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	45.6		0.59	4.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	45.7		0.56	4.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	48.1		0.84	4.60	ug/Kg
591-78-6	2-Hexanone	240		3.40	22.8	ug/Kg
124-48-1	Dibromochloromethane	47.7		0.79	4.60	ug/Kg
106-93-4	1,2-Dibromoethane	46.5		0.80	4.60	ug/Kg
127-18-4	Tetrachloroethene	47.7		0.96	4.60	ug/Kg
108-90-7	Chlorobenzene	46.7		0.83	4.60	ug/Kg
100-41-4	Ethyl Benzene	49.8		0.61	4.60	ug/Kg
179601-23-1	m/p-Xylenes	100		1.10	9.10	ug/Kg
95-47-6	o-Xylene	49.4		0.75	4.60	ug/Kg
100-42-5	Styrene	36.0		0.65	4.60	ug/Kg
75-25-2	Bromoform	44.1		0.78	4.60	ug/Kg
98-82-8	Isopropylbenzene	50.0		0.71	4.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	46.9		1.10	4.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	42.5		1.60	4.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	42.8		1.40	4.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	42.8		1.30	4.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	43.7		1.70	4.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	29.2		2.70	4.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	27.7		2.90	4.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	58.1		70 - 134	116%	SPK: 50
2037-26-5	Toluene-d8	60.8		74 - 123	122%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		38 - 136	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	169000	7.707			
540-36-3	1,4-Difluorobenzene	262000	8.615			
3114-55-4	Chlorobenzene-d5	243000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.346			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	5.87 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022165.D	1		05/05/25 17:28	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	6.17 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022166.D	1		05/05/25 17:51	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	45.3		0.99	4.30	ug/Kg
74-87-3	Chloromethane	46.2		0.99	4.30	ug/Kg
75-01-4	Vinyl Chloride	51.2		0.68	4.30	ug/Kg
74-83-9	Bromomethane	43.4		0.93	4.30	ug/Kg
75-00-3	Chloroethane	51.5		1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	46.8		1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	46.8		0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	46.8		0.87	4.30	ug/Kg
67-64-1	Acetone	200		4.10	21.7	ug/Kg
75-15-0	Carbon Disulfide	41.8		0.92	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	42.0		0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	67.4		1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	43.0		3.10	8.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	47.0		0.75	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	50.3		0.69	4.30	ug/Kg
110-82-7	Cyclohexane	46.7		0.68	4.30	ug/Kg
78-93-3	2-Butanone	180		5.70	21.7	ug/Kg
56-23-5	Carbon Tetrachloride	49.3		0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	47.5		0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	44.2		1.00	4.30	ug/Kg
67-66-3	Chloroform	49.7		0.73	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	49.7		0.81	4.30	ug/Kg
108-87-2	Methylcyclohexane	48.1		0.79	4.30	ug/Kg
71-43-2	Benzene	50.5		0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	44.9		0.68	4.30	ug/Kg
79-01-6	Trichloroethene	47.8		0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	50.3		0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	47.9		0.68	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	190		3.10	21.7	ug/Kg
108-88-3	Toluene	51.4		0.68	4.30	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	6.17 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022166.D	1		05/05/25 17:51	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	41.4		0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	44.2		0.54	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	43.0		0.80	4.30	ug/Kg
591-78-6	2-Hexanone	180		3.20	21.7	ug/Kg
124-48-1	Dibromochloromethane	43.1		0.75	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	40.2		0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	49.2		0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	47.7		0.79	4.30	ug/Kg
100-41-4	Ethyl Benzene	51.9		0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	100		1.10	8.70	ug/Kg
95-47-6	o-Xylene	51.4		0.71	4.30	ug/Kg
100-42-5	Styrene	38.0		0.62	4.30	ug/Kg
75-25-2	Bromoform	39.0		0.75	4.30	ug/Kg
98-82-8	Isopropylbenzene	55.0		0.68	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	42.8		1.00	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	45.9		1.50	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	44.1		1.40	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	44.3		1.30	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	36.4		1.60	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	28.7		2.60	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	25.7		2.80	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		63 - 155	103%	SPK: 50
1868-53-7	Dibromofluoromethane	56.8		70 - 134	114%	SPK: 50
2037-26-5	Toluene-d8	58.8		74 - 123	118%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		38 - 136	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	7.707			
540-36-3	1,4-Difluorobenzene	282000	8.616			
3114-55-4	Chlorobenzene-d5	252000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	123000	13.347			

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	93.5
Sample Wt/Vol:	6.17 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022166.D	1		05/05/25 17:51	VY050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.606	0.561	0.582	0.624	0.591	0.593	0.593	3.6
Chloromethane	1.113	0.904	0.783	0.819	0.754	0.795	0.861	15.5
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4
Bromomethane		0.383	0.370	0.395	0.356	0.344	0.370	5.5
Chloroethane	0.650	0.580	0.519	0.543	0.500	0.509	0.550	10.3
Trichlorofluoromethane	0.988	0.951	0.859	0.927	0.863	0.875	0.911	5.9
1,1,2-Trichlorotrifluoroethane	0.577	0.581	0.522	0.567	0.526	0.532	0.551	4.9
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6
Acetone	0.423	0.284	0.252	0.283	0.251	0.247	0.290	23.2
Carbon Disulfide	2.325	1.864	1.602	1.721	1.558	1.503	1.762	17.3
Methyl tert-butyl Ether	2.478	2.266	2.013	2.199	2.010	2.014	2.163	8.8
Methyl Acetate	1.024	0.912	0.819	0.864	0.781	0.822	0.870	10
Methylene Chloride	0.782	0.707	0.616	0.670	0.619	0.629	0.670	9.7
trans-1,2-Dichloroethene	0.703	0.656	0.557	0.620	0.575	0.580	0.615	9.1
1,1-Dichloroethane	1.315	1.274	1.122	1.206	1.136	1.152	1.201	6.6
Cyclohexane		1.439	1.140	1.169	1.066	1.062	1.175	13.1
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9
cis-1,2-Dichloroethene	0.882	0.810	0.694	0.764	0.714	0.720	0.764	9.3
Bromochloromethane	0.545	0.608	0.436	0.465	0.495	0.506	0.509	12
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3
1,1,1-Trichloroethane	1.095	1.083	0.953	1.026	0.949	0.949	1.009	6.8
Methylcyclohexane	0.611	0.579	0.513	0.549	0.524	0.531	0.551	6.8
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8
1,2-Dichloropropane	0.378	0.383	0.355	0.368	0.349	0.347	0.364	4.2
Bromodichloromethane	0.531	0.530	0.477	0.510	0.475	0.477	0.500	5.4
4-Methyl-2-Pentanone	0.522	0.522	0.479	0.521	0.484	0.471	0.500	4.9
Toluene	1.003	0.963	0.865	0.941	0.892	0.895	0.927	5.6

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.576	0.574	0.528	0.572	0.547	0.554	0.558	3.4
cis-1,3-Dichloropropene	0.679	0.636	0.580	0.621	0.577	0.587	0.613	6.5
1,1,2-Trichloroethane	0.367	0.357	0.315	0.332	0.318	0.313	0.333	6.9
2-Hexanone	0.394	0.387	0.355	0.383	0.355	0.349	0.371	5.3
Dibromochloromethane	0.377	0.381	0.354	0.375	0.353	0.356	0.366	3.5
1,2-Dibromoethane	0.359	0.342	0.319	0.350	0.324	0.323	0.336	4.9
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8
Ethyl Benzene	2.210	2.112	1.873	2.028	1.918	1.941	2.014	6.4
m/p-Xylenes	0.809	0.795	0.705	0.757	0.727	0.734	0.754	5.4
o-Xylene	0.791	0.792	0.709	0.753	0.713	0.718	0.746	5.2
Styrene	1.306	1.288	1.156	1.245	1.218	1.246	1.243	4.3
Bromoform	0.306	0.294	0.258	0.279	0.261	0.264	0.277	7
Isopropylbenzene	4.666	4.271	3.991	4.181	3.728	3.706	4.090	8.9
1,1,2,2-Tetrachloroethane	1.347	1.294	1.181	1.212	1.035	0.985	1.176	12.1
1,3-Dichlorobenzene	1.866	1.822	1.618	1.698	1.610	1.608	1.704	6.7
1,4-Dichlorobenzene	1.942	1.815	1.615	1.713	1.614	1.597	1.716	8
1,2-Dichlorobenzene	1.819	1.820	1.565	1.646	1.559	1.502	1.652	8.4
1,2-Dibromo-3-Chloropropane	0.234	0.274	0.229	0.251	0.222	0.213	0.237	9.2
1,2,4-Trichlorobenzene	0.822	0.865	0.730	0.793	0.765	0.771	0.791	6
1,2,3-Trichlorobenzene	0.819	0.810	0.697	0.749	0.708	0.709	0.749	7.2
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	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.

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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.697	0.864	0.859	0.875	0.639	0.658	0.765	14.6
Chloromethane	0.727	0.775	0.787	0.791	0.679	0.694	0.742	6.6
Vinyl Chloride	0.660	0.710	0.727	0.755	0.619	0.673	0.691	7.2
Bromomethane	0.296	0.326	0.340	0.334	0.305		0.320	5.8
Chloroethane	0.354	0.378	0.329	0.317	0.368	0.467	0.369	14.4
Trichlorofluoromethane	1.035	1.068	0.983	0.985	0.990	1.064	1.021	3.9
1,1,2-Trichlorotrifluoroethane	0.628	0.641	0.629	0.648	0.610	0.633	0.632	2.1
1,1-Dichloroethene	0.565	0.601	0.607	0.625	0.567	0.594	0.593	3.9
Acetone	0.361	0.362	0.361	0.370	0.408	0.380	0.374	4.9
Carbon Disulfide	1.295	1.455	1.522	1.597	1.141	1.423	1.406	11.7
Methyl tert-butyl Ether	2.044	2.160	2.172	2.239	1.908	1.949	2.079	6.4
Methyl Acetate	0.814	0.848	0.845	0.875	0.816	1.006	0.867	8.3
Methylene Chloride	0.689	0.684	0.691	0.691	0.689	0.853	0.716	9.4
trans-1,2-Dichloroethene	0.573	0.610	0.612	0.622	0.557	0.604	0.596	4.3
1,1-Dichloroethane	1.233	1.263	1.263	1.286	1.154	1.116	1.219	5.6
Cyclohexane	1.090	1.128	1.128	1.150	1.059		1.111	3.3
2-Butanone	0.540	0.555	0.558	0.569	0.539	0.495	0.543	4.8
Carbon Tetrachloride	0.528	0.558	0.552	0.577	0.505	0.541	0.544	4.6
cis-1,2-Dichloroethene	0.716	0.737	0.738	0.755	0.642	0.719	0.718	5.5
Bromochloromethane	0.628	0.578	0.595	0.590	0.553	0.576	0.587	4.3
Chloroform	1.287	1.296	1.277	1.300	1.199	1.265	1.271	3
1,1,1-Trichloroethane	1.106	1.131	1.155	1.188	1.013	1.015	1.101	6.6
Methylcyclohexane	0.596	0.641	0.627	0.658	0.587	0.627	0.623	4.3
Benzene	1.426	1.474	1.441	1.477	1.337	1.348	1.417	4.3
1,2-Dichloroethane	0.632	0.627	0.611	0.625	0.594	0.579	0.612	3.5
Trichloroethene	0.344	0.355	0.345	0.362	0.315	0.324	0.341	5.3
1,2-Dichloropropane	0.356	0.371	0.368	0.378	0.324	0.317	0.352	7.4
Bromodichloromethane	0.557	0.577	0.573	0.594	0.498	0.485	0.547	8.2
4-Methyl-2-Pentanone	0.620	0.634	0.630	0.631	0.555	0.561	0.605	6
Toluene	0.884	0.898	0.885	0.904	0.838	0.803	0.869	4.5

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF020 = VX046041.D RRF050 = VX046042.D RRF100 = VX046043.D
RRF150 = VX046044.D RRF005 = VX046046.D RRF001 = VX046047.D

COMPOUND	RRF020	RRF050	RRF100	RRF150	RRF005	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.468	0.528	0.555	0.591	0.406	0.371	0.487	17.9
cis-1,3-Dichloropropene	0.531	0.578	0.602	0.623	0.469	0.423	0.538	14.6
1,1,2-Trichloroethane	0.349	0.354	0.351	0.356	0.337	0.308	0.343	5.3
2-Hexanone	0.466	0.473	0.477	0.473	0.414	0.385	0.448	8.7
Dibromochloromethane	0.378	0.400	0.415	0.431	0.326	0.306	0.376	13.3
1,2-Dibromoethane	0.359	0.373	0.368	0.381	0.333	0.322	0.356	6.5
Tetrachloroethene	0.390	0.375	0.345	0.344	0.323	0.347	0.354	6.8
Chlorobenzene	1.093	1.098	1.085	1.114	1.046	1.131	1.094	2.7
Ethyl Benzene	1.919	2.022	1.979	2.036	1.816	1.803	1.929	5.2
m/p-Xylenes	0.706	0.740	0.721	0.740	0.678	0.648	0.706	5.2
o-Xylene	0.688	0.727	0.706	0.726	0.639	0.642	0.688	5.7
Styrene	1.135	1.219	1.214	1.230	1.012	0.951	1.127	10.6
Bromoform	0.270	0.304	0.312	0.327	0.236	0.234	0.281	14.2
Isopropylbenzene	3.843	4.130	3.876	4.156	3.562	3.789	3.893	5.7
1,1,2,2-Tetrachloroethane	1.315	1.338	1.284	1.345	1.350	1.552	1.364	7
1,3-Dichlorobenzene	1.633	1.701	1.656	1.730	1.558	1.619	1.649	3.7
1,4-Dichlorobenzene	1.629	1.693	1.639	1.722	1.606	1.817	1.684	4.6
1,2-Dichlorobenzene	1.613	1.696	1.634	1.702	1.577	1.710	1.655	3.3
1,2-Dibromo-3-Chloropropane	0.299	0.322	0.329	0.356	0.248	0.259	0.302	13.9
1,2,4-Trichlorobenzene	0.861	0.981	1.035	1.123	0.842	0.862	0.951	12
1,2,3-Trichlorobenzene	0.921	1.019	1.051	1.107	0.846	0.941	0.981	9.7
1,2-Dichloroethane-d4	0.953	0.910	0.930	0.932	0.935		0.932	1.6
Dibromofluoromethane	0.359	0.355	0.364	0.368	0.354		0.360	1.7
Toluene-d8	1.246	1.223	1.266	1.275	1.221		1.246	2
4-Bromofluorobenzene	0.455	0.470	0.500	0.500	0.464		0.478	4.4

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.469	0.477	0.405	0.393	0.408	0.405	0.426	8.7
Chloromethane	0.704	0.670	0.636	0.602	0.529	0.498	0.607	13.2
Vinyl Chloride	0.829	0.830	0.758	0.730	0.680	0.647	0.745	10.1
Bromomethane	0.782	0.697	0.674	0.596	0.554	0.550	0.642	14.3
Chloroethane	0.589	0.550	0.524	0.494	0.460	0.429	0.508	11.6
Trichlorofluoromethane	1.048	1.075	0.987	0.960	0.921	0.907	0.983	6.9
1,1,2-Trichlorotrifluoroethane	0.604	0.591	0.530	0.489	0.497	0.488	0.533	9.8
1,1-Dichloroethene	0.525	0.532	0.483	0.471	0.487	0.484	0.497	5
Acetone	0.092	0.084	0.066	0.063	0.058	0.057	0.070	20.7
Carbon Disulfide	1.736	1.737	1.569	1.493	1.516	1.459	1.585	7.7
Methyl tert-butyl Ether	1.098	1.067	1.102	1.133	1.141	1.134	1.113	2.6
Methyl Acetate	0.214	0.200	0.231	0.223	0.208	0.219	0.216	5.2
Methylene Chloride	0.759	0.625	0.574	0.533	0.518	0.494	0.584	16.7
trans-1,2-Dichloroethene	0.619	0.578	0.533	0.532	0.546	0.532	0.557	6.3
1,1-Dichloroethane	0.987	0.943	0.893	0.853	0.855	0.826	0.893	6.9
Cyclohexane	0.836	0.857	0.738	0.708	0.730	0.711	0.763	8.6
2-Butanone	0.111	0.107	0.108	0.106	0.099	0.100	0.105	4.5
Carbon Tetrachloride	0.540	0.563	0.512	0.507	0.535	0.523	0.530	3.9
cis-1,2-Dichloroethene	0.626	0.638	0.604	0.612	0.633	0.621	0.622	2.1
Bromochloromethane	0.376	0.362	0.365	0.343	0.321	0.314	0.347	7.2
Chloroform	1.084	1.046	0.974	0.956	0.958	0.925	0.990	6.2
1,1,1-Trichloroethane	0.972	0.944	0.896	0.853	0.865	0.846	0.896	5.8
Methylcyclohexane	0.525	0.569	0.519	0.549	0.600	0.589	0.558	6
Benzene	1.423	1.439	1.351	1.337	1.415	1.358	1.387	3.1
1,2-Dichloroethane	0.347	0.367	0.350	0.335	0.336	0.325	0.343	4.3
Trichloroethene	0.402	0.405	0.369	0.367	0.387	0.375	0.384	4.3
1,2-Dichloropropane	0.320	0.317	0.302	0.300	0.308	0.294	0.307	3.4
Bromodichloromethane	0.479	0.504	0.464	0.470	0.490	0.471	0.480	3.1
4-Methyl-2-Pentanone	0.144	0.149	0.167	0.172	0.166	0.165	0.160	6.9
Toluene	0.838	0.915	0.875	0.894	0.952	0.913	0.898	4.4

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:39 16:15

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

LAB FILE ID: RRF005 = VY021953.D RRF010 = VY021954.D RRF020 = VY021955.D
RRF050 = VY021956.D RRF100 = VY021957.D RRF150 = VY021958.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.383	0.408	0.399	0.417	0.437	0.425	0.411	4.7
cis-1,3-Dichloropropene	0.466	0.488	0.483	0.484	0.514	0.500	0.489	3.3
1,1,2-Trichloroethane	0.250	0.261	0.261	0.256	0.258	0.252	0.256	1.8
2-Hexanone	0.093	0.096	0.109	0.115	0.111	0.111	0.106	8.5
Dibromochloromethane	0.345	0.355	0.354	0.352	0.367	0.357	0.355	2
1,2-Dibromoethane	0.238	0.243	0.243	0.241	0.247	0.240	0.242	1.3
Tetrachloroethene	0.500	0.516	0.462	0.455	0.466	0.430	0.472	6.6
Chlorobenzene	1.188	1.152	1.055	1.083	1.139	1.092	1.118	4.5
Ethyl Benzene	1.693	1.840	1.718	1.835	1.990	1.898	1.829	6.1
m/p-Xylenes	0.664	0.720	0.699	0.734	0.797	0.754	0.728	6.3
o-Xylene	0.599	0.639	0.635	0.689	0.747	0.716	0.671	8.3
Styrene	0.950	1.080	1.078	1.169	1.272	1.209	1.126	10.2
Bromoform	0.234	0.221	0.224	0.229	0.236	0.229	0.229	2.5
Isopropylbenzene	3.061	3.316	3.102	3.325	3.639	3.599	3.341	7.2
1,1,2,2-Tetrachloroethane	0.601	0.562	0.555	0.548	0.555	0.558	0.563	3.4
1,3-Dichlorobenzene	1.730	1.784	1.595	1.647	1.789	1.742	1.714	4.5
1,4-Dichlorobenzene	1.821	1.726	1.605	1.620	1.733	1.682	1.698	4.7
1,2-Dichlorobenzene	1.523	1.522	1.434	1.452	1.537	1.505	1.495	2.8
1,2-Dibromo-3-Chloropropane	0.097	0.091	0.094	0.084	0.085	0.087	0.090	5.9
1,2,4-Trichlorobenzene	0.747	0.800	0.785	0.823	0.970	0.959	0.847	11.1
1,2,3-Trichlorobenzene	0.671	0.673	0.684	0.707	0.829	0.825	0.731	10.2
1,2-Dichloroethane-d4	0.525	0.477	0.459	0.466	0.418	0.427	0.462	8.3
Dibromofluoromethane	0.335	0.341	0.330	0.330	0.319	0.327	0.330	2.3
Toluene-d8	1.220	1.260	1.211	1.276	1.244	1.261	1.245	2
4-Bromofluorobenzene	0.408	0.429	0.401	0.426	0.423	0.428	0.419	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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.593	0.536		-9.61	20
Chloromethane	0.861	0.805	0.1	-6.5	20
Vinyl Chloride	0.822	0.759		-7.66	20
Bromomethane	0.370	0.461		24.59	20
Chloroethane	0.550	0.523		-4.91	20
Trichlorofluoromethane	0.911	0.869		-4.61	20
1,1,2-Trichlorotrifluoroethane	0.551	0.537		-2.54	20
1,1-Dichloroethene	0.588	0.557		-5.27	20
Acetone	0.290	0.278		-4.14	20
Carbon Disulfide	1.762	1.533		-13	20
Methyl tert-butyl Ether	2.163	2.360		9.11	20
Methyl Acetate	0.870	0.830		-4.6	20
Methylene Chloride	0.670	0.729		8.81	20
trans-1,2-Dichloroethene	0.615	0.632		2.76	20
1,1-Dichloroethane	1.201	1.259	0.1	4.83	20
Cyclohexane	1.175	0.999		-14.98	20
2-Butanone	0.451	0.469		3.99	20
Carbon Tetrachloride	0.441	0.442		0.23	20
cis-1,2-Dichloroethene	0.764	0.829		8.51	20
Bromochloromethane	0.509	0.533		4.72	20
Chloroform	1.180	1.306		10.68	20
1,1,1-Trichloroethane	1.009	1.049		3.96	20
Methylcyclohexane	0.551	0.492		-10.71	20
Benzene	1.485	1.541		3.77	20
1,2-Dichloroethane	0.474	0.533		12.45	20
Trichloroethene	0.352	0.372		5.68	20
1,2-Dichloropropane	0.364	0.382		4.95	20
Bromodichloromethane	0.500	0.559		11.8	20
4-Methyl-2-Pentanone	0.500	0.527		5.4	20
Toluene	0.927	0.979		5.61	20
t-1,3-Dichloropropene	0.558	0.627		12.37	20
cis-1,3-Dichloropropene	0.613	0.648		5.71	20
1,1,2-Trichloroethane	0.333	0.382		14.72	20
2-Hexanone	0.371	0.388		4.58	20
Dibromochloromethane	0.366	0.426		16.39	20
1,2-Dibromoethane	0.336	0.394		17.26	20
Tetrachloroethene	0.385	0.386		0.26	20
Chlorobenzene	1.116	1.173	0.3	5.11	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date/Time: 05/05/2025 11:32

Lab File ID: VN086478.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.014	1.999		-0.75	20
m/p-Xylenes	0.754	0.772		2.39	20
o-Xylene	0.746	0.767		2.82	20
Styrene	1.243	1.334		7.32	20
Bromoform	0.277	0.312	0.1	12.64	20
Isopropylbenzene	4.090	3.762		-8.02	20
1,1,2,2-Tetrachloroethane	1.176	1.187	0.3	0.94	20
1,3-Dichlorobenzene	1.704	1.787		4.87	20
1,4-Dichlorobenzene	1.716	1.810		5.48	20
1,2-Dichlorobenzene	1.652	1.755		6.24	20
1,2-Dibromo-3-Chloropropane	0.237	0.233		-1.69	20
1,2,4-Trichlorobenzene	0.791	0.848		7.21	20
1,2,3-Trichlorobenzene	0.749	0.800		6.81	20
1,2-Dichloroethane-d4	0.725	0.817		12.69	20
Dibromofluoromethane	0.232	0.264		13.79	20
Toluene-d8	1.240	1.280		3.23	20
4-Bromofluorobenzene	0.452	0.478		5.75	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date/Time: 05/14/2025 09:59

Lab File ID: VX046181.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.765	0.816		6.67	20
Chloromethane	0.742	0.750	0.1	1.08	20
Vinyl Chloride	0.691	0.687		-0.58	20
Bromomethane	0.320	0.290		-9.38	20
Chloroethane	0.369	0.367		-0.54	20
Trichlorofluoromethane	1.021	1.048		2.64	20
1,1,2-Trichlorotrifluoroethane	0.632	0.654		3.48	20
1,1-Dichloroethene	0.593	0.584		-1.52	20
Acetone	0.374	0.386		3.21	20
Carbon Disulfide	1.406	1.299		-7.61	20
Methyl tert-butyl Ether	2.079	2.130		2.45	20
Methyl Acetate	0.867	0.936		7.96	20
Methylene Chloride	0.716	0.679		-5.17	20
trans-1,2-Dichloroethene	0.596	0.582		-2.35	20
1,1-Dichloroethane	1.219	1.242	0.1	1.89	20
Cyclohexane	1.111	1.083		-2.52	20
2-Butanone	0.543	0.560		3.13	20
Carbon Tetrachloride	0.544	0.568		4.41	20
cis-1,2-Dichloroethene	0.718	0.721		0.42	20
Bromochloromethane	0.587	0.577		-1.7	20
Chloroform	1.271	1.302		2.44	20
1,1,1-Trichloroethane	1.101	1.122		1.91	20
Methylcyclohexane	0.623	0.635		1.93	20
Benzene	1.417	1.472		3.88	20
1,2-Dichloroethane	0.612	0.643		5.07	20
Trichloroethene	0.341	0.354		3.81	20
1,2-Dichloropropane	0.352	0.381		8.24	20
Bromodichloromethane	0.547	0.592		8.23	20
4-Methyl-2-Pentanone	0.605	0.652		7.77	20
Toluene	0.869	0.907		4.37	20
t-1,3-Dichloropropene	0.487	0.532		9.24	20
cis-1,3-Dichloropropene	0.538	0.584		8.55	20
1,1,2-Trichloroethane	0.343	0.367		7	20
2-Hexanone	0.448	0.480		7.14	20
Dibromochloromethane	0.376	0.419		11.44	20
1,2-Dibromoethane	0.356	0.377		5.9	20
Tetrachloroethene	0.354	0.354		0	20
Chlorobenzene	1.094	1.097	0.3	0.27	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_X Calibration Date/Time: 05/14/2025 09:59

Lab File ID: VX046181.D Init. Calib. Date(s): 05/05/2025 05/05/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:35 16:27

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	2.001		3.73	20
m/p-Xylenes	0.706	0.735		4.11	20
o-Xylene	0.688	0.718		4.36	20
Styrene	1.127	1.238		9.85	20
Bromoform	0.281	0.296	0.1	5.34	20
Isopropylbenzene	3.893	4.164		6.96	20
1,1,2,2-Tetrachloroethane	1.364	1.331	0.3	-2.42	20
1,3-Dichlorobenzene	1.649	1.720		4.31	20
1,4-Dichlorobenzene	1.684	1.706		1.31	20
1,2-Dichlorobenzene	1.655	1.714		3.57	20
1,2-Dibromo-3-Chloropropane	0.302	0.315		4.3	20
1,2,4-Trichlorobenzene	0.951	1.023		7.57	20
1,2,3-Trichlorobenzene	0.981	1.053		7.34	20
1,2-Dichloroethane-d4	0.932	0.914		-1.93	20
Dibromofluoromethane	0.360	0.380		5.56	20
Toluene-d8	1.246	1.293		3.77	20
4-Bromofluorobenzene	0.478	0.507		6.07	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.426	0.374		-12.21	20
Chloromethane	0.607	0.536	0.1	-11.7	20
Vinyl Chloride	0.745	0.684		-8.19	20
Bromomethane	0.642	0.532		-17.13	20
Chloroethane	0.508	0.446		-12.2	20
Trichlorofluoromethane	0.983	0.903		-8.14	20
1,1,2-Trichlorotrifluoroethane	0.533	0.505		-5.25	20
1,1-Dichloroethene	0.497	0.473		-4.83	20
Acetone	0.070	0.062		-11.43	20
Carbon Disulfide	1.585	1.404		-11.42	20
Methyl tert-butyl Ether	1.113	1.109		-0.36	20
Methyl Acetate	0.216	0.234		8.33	20
Methylene Chloride	0.584	0.533		-8.73	20
trans-1,2-Dichloroethene	0.557	0.529		-5.03	20
1,1-Dichloroethane	0.893	0.855	0.1	-4.26	20
Cyclohexane	0.763	0.717		-6.03	20
2-Butanone	0.105	0.100		-4.76	20
Carbon Tetrachloride	0.530	0.540		1.89	20
cis-1,2-Dichloroethene	0.622	0.610		-1.93	20
Bromochloromethane	0.347	0.331		-4.61	20
Chloroform	0.990	0.967		-2.32	20
1,1,1-Trichloroethane	0.896	0.869		-3.01	20
Methylcyclohexane	0.558	0.572		2.51	20
Benzene	1.387	1.389		0.14	20
1,2-Dichloroethane	0.343	0.354		3.21	20
Trichloroethene	0.384	0.384		0	20
1,2-Dichloropropane	0.307	0.314		2.28	20
Bromodichloromethane	0.480	0.492		2.5	20
4-Methyl-2-Pentanone	0.160	0.170		6.25	20
Toluene	0.898	0.933		3.9	20
t-1,3-Dichloropropene	0.411	0.427		3.89	20
cis-1,3-Dichloropropene	0.489	0.505		3.27	20
1,1,2-Trichloroethane	0.256	0.265		3.52	20
2-Hexanone	0.106	0.113		6.6	20
Dibromochloromethane	0.355	0.363		2.25	20
1,2-Dibromoethane	0.242	0.251		3.72	20
Tetrachloroethene	0.472	0.493		4.45	20
Chlorobenzene	1.118	1.132	0.3	1.25	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_Y Calibration Date/Time: 05/05/2025 08:46

Lab File ID: VY022145.D Init. Calib. Date(s): 04/22/2025 04/22/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:39 16:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.829	1.898		3.77	20
m/p-Xylenes	0.728	0.757		3.98	20
o-Xylene	0.671	0.703		4.77	20
Styrene	1.126	1.201		6.66	20
Bromoform	0.229	0.228	0.1	-0.44	20
Isopropylbenzene	3.341	3.491		4.49	20
1,1,2,2-Tetrachloroethane	0.563	0.550	0.3	-2.31	20
1,3-Dichlorobenzene	1.714	1.696		-1.05	20
1,4-Dichlorobenzene	1.698	1.681		-1	20
1,2-Dichlorobenzene	1.495	1.505		0.67	20
1,2-Dibromo-3-Chloropropane	0.090	0.089		-1.11	20
1,2,4-Trichlorobenzene	0.847	0.851		0.47	20
1,2,3-Trichlorobenzene	0.731	0.740		1.23	20
1,2-Dichloroethane-d4	0.462	0.441		-4.55	20
Dibromofluoromethane	0.330	0.325		-1.51	20
Toluene-d8	1.245	1.243		-0.16	20
4-Bromofluorobenzene	0.419	0.427		1.91	20

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

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-05	**COMP1**	**TCLP**			**05/02/25**			**05/02/25**
			TCLP VOA	8260D			05/06/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1	SDG No.:	Q1956
Lab Sample ID:	Q1956-05	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086512.D	1		05/06/25 14:11	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.6		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	56.2		75 - 124	112%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.224			
540-36-3	1,4-Difluorobenzene	324000	9.1			
3114-55-4	Chlorobenzene-d5	314000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	138000	13.788			

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

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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1956-05	COMP1	1,2-Dichloroethane-d4	50	47.6	95	74	125
		Dibromofluoromethane	50	56.2	112	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	51.3	103	77	121
VN0506WBL01	VN0506WBL01	1,2-Dichloroethane-d4	50	46.0	92	74	125
		Dibromofluoromethane	50	59.9	120	75	124
		Toluene-d8	50	50.5	101	86	113
		4-Bromofluorobenzene	50	50.2	100	77	121
VN0506WBS01	VN0506WBS01	1,2-Dichloroethane-d4	50	46.3	93	74	125
		Dibromofluoromethane	50	57.8	116	75	124
		Toluene-d8	50	48.7	97	86	113
		4-Bromofluorobenzene	50	46.2	92	77	121
VN0506WBSD0	VN0506WBSD01	1,2-Dichloroethane-d4	50	48.4	97	74	125
		Dibromofluoromethane	50	58.0	116	75	124
		Toluene-d8	50	48.4	97	86	113
		4-Bromofluorobenzene	50	49.6	99	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VN086507.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0506WBS01	Vinyl chloride	20	15.5	ug/L	78			65	117	
	1,1-Dichloroethene	20	17.3	ug/L	86			74	110	
	2-Butanone	100	79.6	ug/L	80			65	122	
	Carbon Tetrachloride	20	20.2	ug/L	101			77	113	
	Chloroform	20	17.9	ug/L	90			79	113	
	Benzene	20	18.4	ug/L	92			82	109	
	1,2-Dichloroethane	20	19.2	ug/L	96			80	115	
	Trichloroethene	20	19.7	ug/L	99			77	113	
	Tetrachloroethene	20	20.4	ug/L	102			67	123	
	Chlorobenzene	20	19.4	ug/L	97			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8260D **Datafile :** VN086508.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0506WBSD01	Vinyl chloride	20	15.7	ug/L	79	1		65	117	20
	1,1-Dichloroethene	20	17.3	ug/L	86	0		74	110	20
	2-Butanone	100	84.5	ug/L	85	6		65	122	20
	Carbon Tetrachloride	20	20.3	ug/L	102	1		77	113	20
	Chloroform	20	19.0	ug/L	95	5		79	113	20
	Benzene	20	18.9	ug/L	95	3		82	109	20
	1,2-Dichloroethane	20	20.5	ug/L	103	7		80	115	20
	Trichloroethene	20	20.3	ug/L	102	3		77	113	20
	Tetrachloroethene	20	21.1	ug/L	106	4		67	123	20
	Chlorobenzene	20	20.2	ug/L	101	4		82	109	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0506WBL01

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086506.D Lab Sample ID: VN0506WBL01

Date Analyzed: 05/06/2025 Time Analyzed: 11:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0506WBS01	VN0506WBS01	VN086507.D	05/06/2025
VN0506WBSD01	VN0506WBSD01	VN086508.D	05/06/2025
COMP1	Q1956-05	VN086512.D	05/06/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086276.D BFB Injection Date: 04/15/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:47

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.4 (0.6) 1
174	50.0 - 100.0% of mass 95	67.6
175	5.0 - 9.0% of mass 174	5.1 (7.6) 1
176	95.0 - 101.0% of mass 174	64.6 (95.5) 1
177	5.0 - 9.0% of mass 176	4.4 (6.7) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086277.D	04/15/2025	11:29
VSTDICC005	VSTDICC005	VN086278.D	04/15/2025	12:21
VSTDICC010	VSTDICC010	VN086279.D	04/15/2025	12:45
VSTDICC020	VSTDICC020	VN086280.D	04/15/2025	13:09
VSTDICCC050	VSTDICCC050	VN086281.D	04/15/2025	13:51
VSTDICC100	VSTDICC100	VN086282.D	04/15/2025	14:29

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086503.D BFB Injection Date: 05/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:13

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	73.8
175	5.0 - 9.0% of mass 174	5 (6.8) 1
176	95.0 - 101.0% of mass 174	71.8 (97.3) 1
177	5.0 - 9.0% of mass 176	4.6 (6.3) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086504.D	05/06/2025	10:35
VN0506WBL01	VN0506WBL01	VN086506.D	05/06/2025	11:35
VN0506WBS01	VN0506WBS01	VN086507.D	05/06/2025	11:59
VN0506WBSD01	VN0506WBSD01	VN086508.D	05/06/2025	12:34
COMP1	Q1956-05	VN086512.D	05/06/2025	14:11

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086504.D Date Analyzed: 05/06/2025

Instrument ID: MSVOA_N Time Analyzed: 10:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	186971	8.22	338775	9.09	314072	11.86
UPPER LIMIT	373942	8.724	677550	9.594	628144	12.359
LOWER LIMIT	93485.5	7.724	169388	8.594	157036	11.359
EPA SAMPLE NO.						
COMP1	173251	8.22	324303	9.10	314398	11.87
VN0506WBL01	200028	8.22	363115	9.10	340109	11.86
VN0506WBS01	202593	8.22	354153	9.10	311333	11.87
VN0506WBSD01	187036	8.22	333546	9.10	299527	11.87

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.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: VN086504.D Date Analyzed: 05/06/2025

Instrument ID: MSVOA_N Time Analyzed: 10:35

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	155373	13.788				
UPPER LIMIT	310746	14.288				
LOWER LIMIT	77686.5	13.288				
EPA SAMPLE NO.						
COMP1	138091	13.79				
VN0506WBL01	148177	13.79				
VN0506WBS01	140117	13.79				
VN0506WBSD01	139590	13.79				

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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VN0506WBL01	SDG No.:	Q1956
Lab Sample ID:	VN0506WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086506.D	1		05/06/25 11:35	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	59.9		75 - 124	120%	SPK: 50
2037-26-5	Toluene-d8	50.6		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.2		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	200000	8.224			
540-36-3	1,4-Difluorobenzene	363000	9.1			
3114-55-4	Chlorobenzene-d5	340000	11.859			
3855-82-1	1,4-Dichlorobenzene-d4	148000	13.788			

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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	Bergen Point Fueling System		Date Received:		
Client Sample ID:	VN0506WBS01		SDG No.:	Q1956	
Lab Sample ID:	VN0506WBS01		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086507.D	1		05/06/25 11:59	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.5		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.3		0.23	5.00	ug/L
78-93-3	2-Butanone	79.6		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.2		0.25	5.00	ug/L
67-66-3	Chloroform	17.9		0.25	5.00	ug/L
71-43-2	Benzene	18.4		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.22	5.00	ug/L
79-01-6	Trichloroethene	19.7		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	20.4		0.23	5.00	ug/L
108-90-7	Chlorobenzene	19.4		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	57.8		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	48.7		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	203000	8.224			
540-36-3	1,4-Difluorobenzene	354000	9.1			
3114-55-4	Chlorobenzene-d5	311000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	140000	13.788			

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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	Bergen Point Fueling System		Date Received:		
Client Sample ID:	VN0506WBSD01		SDG No.:	Q1956	
Lab Sample ID:	VN0506WBSD01		Matrix:	TCLP	
Analytical Method:	SW8260		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	TCLP VOA	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086508.D	1		05/06/25 12:34	VN050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	15.7		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	17.3		0.23	5.00	ug/L
78-93-3	2-Butanone	84.5		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	20.3		0.25	5.00	ug/L
67-66-3	Chloroform	19.0		0.25	5.00	ug/L
71-43-2	Benzene	18.9		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.22	5.00	ug/L
79-01-6	Trichloroethene	20.3		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	21.1		0.23	5.00	ug/L
108-90-7	Chlorobenzene	20.2		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	58.0		75 - 124	116%	SPK: 50
2037-26-5	Toluene-d8	48.4		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.6		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	8.224			
540-36-3	1,4-Difluorobenzene	334000	9.1			
3114-55-4	Chlorobenzene-d5	300000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	140000	13.788			

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:29 14:29

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

LAB FILE ID: RRF001 = VN086277.D RRF005 = VN086278.D RRF010 = VN086279.D
RRF020 = VN086280.D RRF050 = VN086281.D RRF100 = VN086282.D

COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	$\overline{RRF}$	% RSD
Vinyl Chloride	0.897	0.825	0.785	0.846	0.791	0.788	0.822	5.4
1,1-Dichloroethene	0.660	0.622	0.553	0.588	0.551	0.557	0.588	7.6
2-Butanone	0.504	0.473	0.420	0.466	0.425	0.420	0.451	7.7
Carbon Tetrachloride	0.470	0.471	0.409	0.449	0.423	0.426	0.441	5.9
Chloroform	1.318	1.233	1.122	1.196	1.105	1.104	1.180	7.3
Benzene	1.648	1.545	1.389	1.508	1.409	1.411	1.485	6.8
1,2-Dichloroethane	0.526	0.496	0.448	0.482	0.444	0.446	0.474	7.1
Trichloroethene	0.390	0.357	0.334	0.352	0.338	0.341	0.352	5.8
Tetrachloroethene	0.419	0.399	0.358	0.390	0.371	0.370	0.385	5.8
Chlorobenzene	1.235	1.175	1.058	1.117	1.050	1.059	1.116	6.8
1,2-Dichloroethane-d4		0.746	0.745	0.707	0.719	0.708	0.725	2.6
Dibromofluoromethane		0.267	0.255	0.230	0.215	0.194	0.232	12.8
Toluene-d8		1.247	1.281	1.185	1.251	1.237	1.240	2.8
4-Bromofluorobenzene		0.459	0.456	0.421	0.459	0.467	0.452	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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: MSVOA_N Calibration Date/Time: 05/06/2025 10:35

Lab File ID: VN086504.D Init. Calib. Date(s): 04/15/2025 04/15/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:29 14:29

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.822	0.657		-20.07	20
1,1-Dichloroethene	0.588	0.522		-11.22	20
2-Butanone	0.451	0.405		-10.2	20
Carbon Tetrachloride	0.441	0.447		1.36	20
Chloroform	1.180	1.187		0.59	20
Benzene	1.485	1.462		-1.55	20
1,2-Dichloroethane	0.474	0.511		7.81	20
Trichloroethene	0.352	0.379		7.67	20
Tetrachloroethene	0.385	0.415		7.79	20
Chlorobenzene	1.116	1.152	0.3	3.23	20
1,2-Dichloroethane-d4	0.725	0.698		-3.72	20
Dibromofluoromethane	0.232	0.250		7.76	20
Toluene-d8	1.240	1.178		-5	20
4-Bromofluorobenzene	0.452	0.460		1.77	20

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

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	

SAMPLE DATA

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	89 Decanted:
Sample Wt/Vol:	6.52 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
FB031682.D	1	05/06/25 12:06	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	18.0	J	7.00	39.0	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.5 Decanted:
Sample Wt/Vol:	5.56 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
FB031683.D	1	05/06/25 12:48	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	43.0	U	8.00	43.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.3		50 - 150	87%	SPK: 20

Comments:

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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	90.2 Decanted:
Sample Wt/Vol:	6.22 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
FB031686.D	1	05/06/25 15:25	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	13.0	J	7.00	40.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	14.4		50 - 150	72%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031691.D	1	05/06/25 18:10	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	45.0	U	6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	20.4		50 - 150	102%	SPK: 20

Comments:

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LOD = Limit of Detection
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M = MS/MSD acceptance criteria did not meet requirements

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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SOIL GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

EPA SAMPLE NO.	S1 AAA-TFT	S2	S3	S4	TOT OUT
VBF0506S1	81				0
BSF0506S1	88				0
SB1-3-4	85				0
SB2-4-5	87				0
SB2-4-5MS	76				0
SB2-4-5MSD	87				0
SB91-3-4	72				0
VBF0506W1	109				0
BSF0506W1	84				0
FB-05022025	102				0
BSF0506W2	101				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,
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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Client SampleID : SB2-4-5MS **Datafile:** FB031684.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	160	0	110	69%		50-150

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SOIL GASOLINE RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Client SampleID : SB2-4-5MSD **Datafile:** FB031685.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
GRO	153	0	109	71%		50-150

MS/MSD % Recovery RPD : 3.4

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

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Matrix Spike - EPA Sample No : BSF0506S1 **Datafile:** FB031681.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
GRO	180	0	180	100	50-150

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WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Matrix Spike - EPA Sample No : BSF0506W1 **Datafile:** FB031690.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	165	92	50-150

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WATER GASOLINE RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLIC

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Matrix Spike - EPA Sample No : BSF0506W2 **Datafile:** FB031692.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
GRO	180	0	166	92	50-150

LCS/LCSD % Recovery RPD : 0.5

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0506S1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: FB031679.D Lab Sample ID: VBF0506S1

Date Analyzed: 05/06/25 Time Analyzed: 10:29

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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0506S1	BSF0506S1	FB031681.D	05/06/25
SB1-3-4	Q1956-01	FB031682.D	05/06/25
SB2-4-5	Q1956-02	FB031683.D	05/06/25
SB2-4-5MS	Q1956-03MS	FB031684.D	05/06/25
SB2-4-5MSD	Q1956-04MSD	FB031685.D	05/06/25
SB91-3-4	Q1956-06	FB031686.D	05/06/25

COMMENTS:

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METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBF0506W1

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: FB031689.D Lab Sample ID: VBF0506W1

Date Analyzed: 05/06/25 Time Analyzed: 17:16

GC Column: RTX-502.2 ID: 0.53 (mm) Heated Purge: (Y/N) N

Instrument ID: FB

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
BSF0506W1	BSF0506W1	FB031690.D	05/06/25
FB-05022025	Q1956-07	FB031691.D	05/06/25
BSF0506W2	BSF0506W2	FB031692.D	05/06/25

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VBF0506S1	SDG No.:	Q1956
Lab Sample ID:	VBF0506S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 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
FB031679.D	1	05/06/25 10:29	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	45.0	U	8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.1		50 - 150	81%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	VBF0506W1	SDG No.:	Q1956
Lab Sample ID:	VBF0506W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031689.D	1	05/06/25 17:16	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	45.0	U	6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	21.9		50 - 150	109%	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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	BSF0506S1	SDG No.:	Q1956
Lab Sample ID:	BSF0506S1	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	100 Decanted:
Sample Wt/Vol:	5 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
FB031681.D	1	05/06/25 11:25	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	180		8.00	45.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.6		50 - 150	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	BSF0506W1	SDG No.:	Q1956
Lab Sample ID:	BSF0506W1	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031690.D	1	05/06/25 17:43	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	165		6.00	45.0	ug/L
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	16.9		50 - 150	84%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	BSF0506W2	SDG No.:	Q1956
Lab Sample ID:	BSF0506W2	Matrix:	Water
Analytical Method:	8015D GRO	% Solid:	0 Decanted:
Sample Wt/Vol:	5 Units: mL	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
FB031692.D	1	05/06/25 18:38	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
GRO	GRO	166		6.00	45.0	ug/L
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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.5 Decanted:
Sample Wt/Vol:	6.02 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
FB031684.D	1	05/06/25 14:30	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	110		7.00	40.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	15.1		50 - 150	76%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8015D GRO	% Solid:	93.5 Decanted:
Sample Wt/Vol:	6.3 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
FB031685.D	1	05/06/25 14:58	FB050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
GRO	GRO	109		7.00	38.0	ug/kg
SURROGATES						
98-08-8	Alpha,Alpha,Alpha-Trifluoroto	17.3		50 - 150	87%	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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GASOLINE RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Calibration Sequence : FB042325		Test : Gasoline Range Organics	
Concentration (PPB)	**Area Count**	**Reference Factor**	**File ID**
45	1404536	31212	FB031638.D
90	2828773	31431	FB031639.D
180	5982574	33237	FB031640.D
450	16361923	36360	FB031641.D
900	31441842	34935	FB031642.D

AVG RF : 33435 **% RSD : 6.655** **AVG RT : 8.7924**

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FB031678.D Analyst Name: YP/AJ Analyst Date: 05-06-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5796971	32205	33435	3.679

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FB031688.D Analyst Name: YP/AJ Analyst Date: 05-06-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	6145867	34144	33435	2.121

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GASOLINE RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

20 PPB GRO STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FB031693.D Analyst Name: YP/AJ Analyst Date: 05-06-2025

Conc. (PPB)	Area Count	RF	Average RF	%D
180	5937298	32985	33435	1.346

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **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 **8.7924**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
20 PPB GRO STD	20 PPB GRO STD	6 May 2025 9:47	FB031678.D	8.793	
VBF0506S1	VBF0506S1	6 May 2025 10:29	FB031679.D	8.793	
BSF0506S1	BSF0506S1	6 May 2025 11:25	FB031681.D	8.795	
SB1-3-4	Q1956-01	6 May 2025 12:06	FB031682.D	8.619	
SB2-4-5	Q1956-02	6 May 2025 12:48	FB031683.D	8.795	
SB2-4-5MS	Q1956-03MS	6 May 2025 14:30	FB031684.D	8.793	
SB2-4-5MSD	Q1956-04MSD	6 May 2025 14:58	FB031685.D	8.794	
SB91-3-4	Q1956-06	6 May 2025 15:25	FB031686.D	8.660	
20 PPB GRO STD	20 PPB GRO STD	6 May 2025 16:21	FB031688.D	8.796	
VBF0506W1	VBF0506W1	6 May 2025 17:16	FB031689.D	8.796	
BSF0506W1	BSF0506W1	6 May 2025 17:43	FB031690.D	8.795	
FB-05022025	Q1956-07	6 May 2025 18:10	FB031691.D	8.796	
BSF0506W2	BSF0506W2	6 May 2025 18:38	FB031692.D	8.795	
20 PPB GRO STD	20 PPB GRO STD	6 May 2025 19:05	FB031693.D	8.794	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	8.6924	8.8924

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			SVOC-TCL BNA -20	8270E		05/06/25	05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			SVOC-TCL BNA -20	8270E		05/06/25	05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			SVOC-TCL BNA -20	8270E		05/06/25	05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			SVOC-TCL BNA -20	8270E		05/07/25	05/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID : SB1-3-4									
Q1956-01	SB1-3-4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB	0	0	ug/Kg
Q1956-01	SB1-3-4	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q1956-01	SB1-3-4	SOIL	n-Hexadecanoic acid	*	290.000	J	0	0	ug/Kg
Q1956-01	SB1-3-4	SOIL	Octadecanoic acid	*	83.500	J	0	0	ug/Kg
			Total Tics :		**753.50**				
			Total Concentration:		**753.50**				
Client ID : SB2-4-5									
Q1956-02	SB2-4-5	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	250.000	AB	0	0	ug/Kg
Q1956-02	SB2-4-5	SOIL	Benzophenone	*	150.000	J	0	0	ug/Kg
Q1956-02	SB2-4-5	SOIL	Cyclotetracosane	*	93.900	J	0	0	ug/Kg
Q1956-02	SB2-4-5	SOIL	Hexathiane	*	81.100	J	0	0	ug/Kg
Q1956-02	SB2-4-5	SOIL	n-Hexadecanoic acid	*	290.000	J	0	0	ug/Kg
Q1956-02	SB2-4-5	SOIL	unknown14.563	*	1,100.000	J	0	0	ug/Kg
			Total Tics :		**1,965.00**				
			Total Concentration:		**1,965.00**				
Client ID : SB91-3-4									
Q1956-06	SB91-3-4	SOIL	1-Phenoxypropan-2-ol	*	100.000	J	0	0	ug/Kg
Q1956-06	SB91-3-4	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	210.000	AB	0	0	ug/Kg
Q1956-06	SB91-3-4	SOIL	Benzophenone	*	110.000	J	0	0	ug/Kg
Q1956-06	SB91-3-4	SOIL	n-Hexadecanoic acid	*	93.400	J	0	0	ug/Kg
Q1956-06	SB91-3-4	SOIL	Propylene Glycol	*	120.000	J	0	0	ug/Kg
Q1956-06	SB91-3-4	SOIL	unknown14.563	*	590.000	J	0	0	ug/Kg
			Total Tics :		**1,223.40**				
			Total Concentration:		**1,223.40**				
Client ID : FB-05022025									
Q1956-07	FB-05022025	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	3.300	AB	0	0	ug/L
Q1956-07	FB-05022025	WATER	Benzophenone	*	2.300	J	0	0	ug/L
Q1956-07	FB-05022025	WATER	Butyl citrate	*	8.000	J	0	0	ug/L
Q1956-07	FB-05022025	WATER	n-Hexadecanoic acid	*	3.000	J	0	0	ug/L
			Total Tics :		**16.60**				
			Total Concentration:		**16.60**				

SAMPLE DATA

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024549.D	1	05/06/25 09:25	05/06/25 16:27	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	180	370	ug/Kg
108-95-2	Phenol	190	U	24.8	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	27.3	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	27.4	190	ug/Kg
95-48-7	2-Methylphenol	190	U	33.6	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	42.1	190	ug/Kg
98-86-2	Acetophenone	190	U	33.1	190	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	46.1	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.8	U	53.2	89.8	ug/Kg
67-72-1	Hexachloroethane	190	U	19.8	190	ug/Kg
98-95-3	Nitrobenzene	190	U	20.5	190	ug/Kg
78-59-1	Isophorone	190	U	36.8	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	65.3	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	72.8	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	34.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	31.8	190	ug/Kg
91-20-3	Naphthalene	190	U	25.5	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	39.7	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	28.4	190	ug/Kg
105-60-2	Caprolactam	370	U	58.5	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	32.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	28.7	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	22.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	32.7	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	24.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	25.3	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	54.0	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	30.4	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024549.D	1	05/06/25 09:25	05/06/25 16:27	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	32.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	37.7	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	51.7	190	ug/Kg
83-32-9	Acenaphthene	190	U	23.9	190	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	260	370	ug/Kg
100-02-7	4-Nitrophenol	370	U	120	370	ug/Kg
132-64-9	Dibenzofuran	190	U	25.5	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	56.3	190	ug/Kg
84-66-2	Diethylphthalate	190	U	31.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	30.0	190	ug/Kg
86-73-7	Fluorene	190	U	28.4	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	72.1	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	120	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	36.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	31.2	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	28.4	190	ug/Kg
1912-24-9	Atrazine	190	U	38.2	190	ug/Kg
87-86-5	Pentachlorophenol	370	U	57.6	370	ug/Kg
85-01-8	Phenanthrene	190	U	23.5	190	ug/Kg
120-12-7	Anthracene	190	U	37.4	190	ug/Kg
86-74-8	Carbazole	190	U	35.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	53.8	190	ug/Kg
206-44-0	Fluoranthene	190	U	33.7	190	ug/Kg
129-00-0	Pyrene	190	U	40.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	80.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	U	41.2	370	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	25.8	190	ug/Kg
218-01-9	Chrysene	190	U	22.3	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	66.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	97.5	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	21.3	190	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024549.D	1	05/06/25 09:25	05/06/25 16:27	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	190	U	25.2	190	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	33.1	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	32.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	30.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	28.9	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	28.7	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	50.8	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	30.8	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.0		18 - 112	57%	SPK: 150
13127-88-3	Phenol-d6	80.6		15 - 107	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.4		18 - 107	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.9		20 - 109	47%	SPK: 100
118-79-6	2,4,6-Tribromophenol	103		10 - 116	69%	SPK: 150
1718-51-0	Terphenyl-d14	44.6		10 - 105	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	7.704			
1146-65-2	Naphthalene-d8	615000	10.475			
15067-26-2	Acenaphthene-d10	391000	14.334			
1517-22-2	Phenanthrene-d10	806000	17.139			
1719-03-5	Chrysene-d12	923000	21.58			
1520-96-3	Perylene-d12	1080000	24.921			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB		4.87	ug/Kg
000119-61-9	Benzophenone	190	J		15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J		18.1	ug/Kg
000057-11-4	Octadecanoic acid	83.5	J		19.4	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	05/01/25
Project:	Bergen Point Fueling System			Date Received:	05/02/25
Client Sample ID:	SB1-3-4			SDG No.:	Q1956
Lab Sample ID:	Q1956-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	89
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024549.D	1	05/06/25 09:25	05/06/25 16:27	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024550.D	1	05/06/25 09:25	05/06/25 17:08	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	350	U	170	350	ug/Kg
108-95-2	Phenol	180	U	23.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	25.9	180	ug/Kg
95-57-8	2-Chlorophenol	180	U	26.0	180	ug/Kg
95-48-7	2-Methylphenol	180	U	31.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	180	U	40.0	180	ug/Kg
98-86-2	Acetophenone	180	U	31.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	350	U	43.9	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	85.4	U	50.6	85.4	ug/Kg
67-72-1	Hexachloroethane	180	U	18.8	180	ug/Kg
98-95-3	Nitrobenzene	180	U	19.5	180	ug/Kg
78-59-1	Isophorone	180	U	35.0	180	ug/Kg
88-75-5	2-Nitrophenol	180	U	62.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	69.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	180	U	32.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	180	U	30.2	180	ug/Kg
91-20-3	Naphthalene	180	U	24.2	180	ug/Kg
106-47-8	4-Chloroaniline	180	U	37.8	180	ug/Kg
87-68-3	Hexachlorobutadiene	180	U	27.0	180	ug/Kg
105-60-2	Caprolactam	350	U	55.6	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	180	U	30.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	180	U	27.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	350	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	180	U	21.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	31.1	180	ug/Kg
92-52-4	1,1-Biphenyl	180	U	23.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	24.0	180	ug/Kg
88-74-4	2-Nitroaniline	180	U	51.3	180	ug/Kg
131-11-3	Dimethylphthalate	180	U	28.9	180	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024550.D	1	05/06/25 09:25	05/06/25 17:08	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	180	U	30.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	35.9	180	ug/Kg
99-09-2	3-Nitroaniline	180	U	49.1	180	ug/Kg
83-32-9	Acenaphthene	180	U	22.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	350	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	350	U	110	350	ug/Kg
132-64-9	Dibenzofuran	180	U	24.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	180	U	53.5	180	ug/Kg
84-66-2	Diethylphthalate	180	U	30.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	28.5	180	ug/Kg
86-73-7	Fluorene	180	U	27.0	180	ug/Kg
100-01-6	4-Nitroaniline	180	U	68.5	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	350	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	180	U	35.1	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	180	U	29.7	180	ug/Kg
118-74-1	Hexachlorobenzene	180	U	27.0	180	ug/Kg
1912-24-9	Atrazine	180	U	36.3	180	ug/Kg
87-86-5	Pentachlorophenol	350	U	54.8	350	ug/Kg
85-01-8	Phenanthrene	180	U	22.3	180	ug/Kg
120-12-7	Anthracene	180	U	35.5	180	ug/Kg
86-74-8	Carbazole	180	U	33.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	180	U	51.1	180	ug/Kg
206-44-0	Fluoranthene	180	U	32.0	180	ug/Kg
129-00-0	Pyrene	180	U	38.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	76.2	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	350	U	39.2	350	ug/Kg
56-55-3	Benzo(a)anthracene	180	U	24.5	180	ug/Kg
218-01-9	Chrysene	180	U	21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	180	U	63.2	180	ug/Kg
117-84-0	Di-n-octyl phthalate	350	U	92.6	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	180	U	20.3	180	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024550.D	1	05/06/25 09:25	05/06/25 17:08	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	180	U	23.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	180	U	31.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	U	31.1	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	180	U	29.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	180	U	27.4	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	27.3	180	ug/Kg
123-91-1	1,4-Dioxane	180	U	48.2	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	29.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	117		18 - 112	78%	SPK: 150
13127-88-3	Phenol-d6	108		15 - 107	72%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.3		18 - 107	77%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.9		20 - 109	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	141		10 - 116	94%	SPK: 150
1718-51-0	Terphenyl-d14	71.8		10 - 105	72%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	145000	7.704			
1146-65-2	Naphthalene-d8	584000	10.475			
15067-26-2	Acenaphthene-d10	366000	14.333			
1517-22-2	Phenanthrene-d10	735000	17.139			
1719-03-5	Chrysene-d12	832000	21.58			
1520-96-3	Perylene-d12	997000	24.927			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	250	AB		4.88	ug/Kg
	unknown14.563	1100	J		14.6	ug/Kg
013798-23-7	Hexathiane	81.1	J		14.9	ug/Kg
000119-61-9	Benzophenone	150	J		15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	290	J		18.1	ug/Kg
000297-03-0	Cyclotetracosane	93.9	J		21.3	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith			Date Collected:	05/02/25
Project:	Bergen Point Fueling System			Date Received:	05/02/25
Client Sample ID:	SB2-4-5			SDG No.:	Q1956
Lab Sample ID:	Q1956-02			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	93.5
Sample Wt/Vol:	30.06	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024550.D	1	05/06/25 09:25	05/06/25 17:08	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024553.D	1	05/06/25 09:25	05/06/25 19:10	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	370	U	170	370	ug/Kg
108-95-2	Phenol	190	U	24.5	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	190	U	26.9	190	ug/Kg
95-57-8	2-Chlorophenol	190	U	27.0	190	ug/Kg
95-48-7	2-Methylphenol	190	U	33.1	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	190	U	41.5	190	ug/Kg
98-86-2	Acetophenone	190	U	32.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	370	U	45.5	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	88.6	U	52.5	88.6	ug/Kg
67-72-1	Hexachloroethane	190	U	19.5	190	ug/Kg
98-95-3	Nitrobenzene	190	U	20.3	190	ug/Kg
78-59-1	Isophorone	190	U	36.3	190	ug/Kg
88-75-5	2-Nitrophenol	190	U	64.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	190	U	71.7	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	190	U	34.1	190	ug/Kg
120-83-2	2,4-Dichlorophenol	190	U	31.3	190	ug/Kg
91-20-3	Naphthalene	190	U	25.1	190	ug/Kg
106-47-8	4-Chloroaniline	190	U	39.2	190	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	28.0	190	ug/Kg
105-60-2	Caprolactam	370	U	57.7	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	190	U	31.8	190	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	28.3	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	370	U	130	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	21.9	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	32.2	190	ug/Kg
92-52-4	1,1-Biphenyl	190	U	24.1	190	ug/Kg
91-58-7	2-Chloronaphthalene	190	U	24.9	190	ug/Kg
88-74-4	2-Nitroaniline	190	U	53.3	190	ug/Kg
131-11-3	Dimethylphthalate	190	U	30.0	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024553.D	1	05/06/25 09:25	05/06/25 19:10	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	190	U	32.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	190	U	37.2	190	ug/Kg
99-09-2	3-Nitroaniline	190	U	50.9	190	ug/Kg
83-32-9	Acenaphthene	190	U	23.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	370	U	250	370	ug/Kg
100-02-7	4-Nitrophenol	370	U	120	370	ug/Kg
132-64-9	Dibenzofuran	190	U	25.1	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	55.5	190	ug/Kg
84-66-2	Diethylphthalate	190	U	31.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	190	U	29.6	190	ug/Kg
86-73-7	Fluorene	190	U	28.0	190	ug/Kg
100-01-6	4-Nitroaniline	190	U	71.1	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	370	U	110	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	36.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	190	U	30.8	190	ug/Kg
118-74-1	Hexachlorobenzene	190	U	28.0	190	ug/Kg
1912-24-9	Atrazine	190	U	37.6	190	ug/Kg
87-86-5	Pentachlorophenol	370	U	56.8	370	ug/Kg
85-01-8	Phenanthrene	190	U	23.1	190	ug/Kg
120-12-7	Anthracene	190	U	36.9	190	ug/Kg
86-74-8	Carbazole	190	U	34.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	190	U	53.0	190	ug/Kg
206-44-0	Fluoranthene	190	U	33.2	190	ug/Kg
129-00-0	Pyrene	190	U	39.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	190	U	79.1	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	370	U	40.6	370	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	25.5	190	ug/Kg
218-01-9	Chrysene	190	U	22.0	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	190	U	65.5	190	ug/Kg
117-84-0	Di-n-octyl phthalate	370	U	96.1	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	190	U	21.0	190	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	90.2
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024553.D	1	05/06/25 09:25	05/06/25 19:10	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	190	U	24.8	190	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	32.7	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	32.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	30.3	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	28.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	28.3	190	ug/Kg
123-91-1	1,4-Dioxane	190	U	50.0	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	30.3	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	92.0		18 - 112	61%	SPK: 150
13127-88-3	Phenol-d6	84.7		15 - 107	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.8		18 - 107	62%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.2		20 - 109	53%	SPK: 100
118-79-6	2,4,6-Tribromophenol	111		10 - 116	74%	SPK: 150
1718-51-0	Terphenyl-d14	48.7		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	155000	7.705			
1146-65-2	Naphthalene-d8	597000	10.475			
15067-26-2	Acenaphthene-d10	373000	14.34			
1517-22-2	Phenanthrene-d10	751000	17.14			
1719-03-5	Chrysene-d12	894000	21.58			
1520-96-3	Perylene-d12	1070000	24.904			
TENTATIVE IDENTIFIED COMPOUNDS						
000057-55-6	Propylene Glycol	120	J		3.52	ug/Kg
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	210	AB		4.88	ug/Kg
000770-35-4	1-Phenoxypropan-2-ol	100	J		11.2	ug/Kg
	unknown14.563	590	J		14.6	ug/Kg
000119-61-9	Benzophenone	110	J		15.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	93.4	J		18.1	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	05/01/25
Project:	Bergen Point Fueling System			Date Received:	05/02/25
Client Sample ID:	SB91-3-4			SDG No.:	Q1956
Lab Sample ID:	Q1956-06			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	90.2
Sample Wt/Vol:	30.04	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024553.D	1	05/06/25 09:25	05/06/25 19:10	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050136.D	1	05/07/25 08:53	05/07/25 15:44	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.6	U	4.20	10.6	ug/L
108-95-2	Phenol	5.30	U	0.97	5.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.30	U	0.86	5.30	ug/L
95-57-8	2-Chlorophenol	5.30	U	0.62	5.30	ug/L
95-48-7	2-Methylphenol	5.30	U	1.20	5.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.30	U	1.40	5.30	ug/L
98-86-2	Acetophenone	5.30	U	0.79	5.30	ug/L
65794-96-9	3+4-Methylphenols	10.6	U	1.20	10.6	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.70	U	1.50	2.70	ug/L
67-72-1	Hexachloroethane	5.30	U	0.69	5.30	ug/L
98-95-3	Nitrobenzene	5.30	U	0.81	5.30	ug/L
78-59-1	Isophorone	5.30	U	0.80	5.30	ug/L
88-75-5	2-Nitrophenol	5.30	U	1.90	5.30	ug/L
105-67-9	2,4-Dimethylphenol	5.30	U	2.00	5.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.30	U	0.72	5.30	ug/L
120-83-2	2,4-Dichlorophenol	5.30	U	0.55	5.30	ug/L
91-20-3	Naphthalene	5.30	U	0.53	5.30	ug/L
106-47-8	4-Chloroaniline	5.30	U	0.89	5.30	ug/L
87-68-3	Hexachlorobutadiene	5.30	U	0.57	5.30	ug/L
105-60-2	Caprolactam	10.6	U	1.20	10.6	ug/L
59-50-7	4-Chloro-3-methylphenol	5.30	U	0.63	5.30	ug/L
91-57-6	2-Methylnaphthalene	5.30	U	0.60	5.30	ug/L
77-47-4	Hexachlorocyclopentadiene	10.6	U	3.90	10.6	ug/L
88-06-2	2,4,6-Trichlorophenol	5.30	U	0.54	5.30	ug/L
95-95-4	2,4,5-Trichlorophenol	5.30	U	0.66	5.30	ug/L
92-52-4	1,1-Biphenyl	5.30	U	0.56	5.30	ug/L
91-58-7	2-Chloronaphthalene	5.30	U	0.65	5.30	ug/L
88-74-4	2-Nitroaniline	5.30	U	1.30	5.30	ug/L
131-11-3	Dimethylphthalate	5.30	U	0.65	5.30	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050136.D	1	05/07/25 08:53	05/07/25 15:44	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	5.30	U	0.80	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	5.30	U	0.98	5.30	ug/L
99-09-2	3-Nitroaniline	5.30	U	1.10	5.30	ug/L
83-32-9	Acenaphthene	5.30	U	0.59	5.30	ug/L
51-28-5	2,4-Dinitrophenol	10.6	U	6.40	10.6	ug/L
100-02-7	4-Nitrophenol	10.6	U	2.50	10.6	ug/L
132-64-9	Dibenzofuran	5.30	U	0.65	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	5.30	U	1.30	5.30	ug/L
84-66-2	Diethylphthalate	5.30	U	0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.30	U	0.72	5.30	ug/L
86-73-7	Fluorene	5.30	U	0.67	5.30	ug/L
100-01-6	4-Nitroaniline	5.30	U	1.60	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.6	U	3.10	10.6	ug/L
86-30-6	n-Nitrosodiphenylamine	5.30	U	0.62	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	5.30	U	0.43	5.30	ug/L
118-74-1	Hexachlorobenzene	5.30	U	0.55	5.30	ug/L
1912-24-9	Atrazine	5.30	U	1.10	5.30	ug/L
87-86-5	Pentachlorophenol	10.6	U	1.70	10.6	ug/L
85-01-8	Phenanthrene	5.30	U	0.53	5.30	ug/L
120-12-7	Anthracene	5.30	U	0.65	5.30	ug/L
86-74-8	Carbazole	5.30	U	0.77	5.30	ug/L
84-74-2	Di-n-butylphthalate	5.30	U	1.30	5.30	ug/L
206-44-0	Fluoranthene	5.30	U	0.87	5.30	ug/L
129-00-0	Pyrene	5.30	U	0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	5.30	U	2.10	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	10.6	U	0.99	10.6	ug/L
56-55-3	Benzo(a)anthracene	5.30	U	0.48	5.30	ug/L
218-01-9	Chrysene	5.30	U	0.47	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.30	U	1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	10.6	U	2.50	10.6	ug/L
205-99-2	Benzo(b)fluoranthene	5.30	U	0.52	5.30	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050136.D	1	05/07/25 08:53	05/07/25 15:44	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	5.30	U	0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	5.30	U	0.59	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.30	U	0.63	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.30	U	0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	5.30	U	0.73	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.30	U	0.55	5.30	ug/L
123-91-1	1,4-Dioxane	5.30	U	1.10	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.30	U	0.77	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	61.6		10 - 139	41%	SPK: 150
13127-88-3	Phenol-d6	36.9		10 - 134	25%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.8		49 - 133	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.4		52 - 132	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		44 - 137	96%	SPK: 150
1718-51-0	Terphenyl-d14	84.3		48 - 125	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	271000	7.745			
1146-65-2	Naphthalene-d8	990000	10.539			
15067-26-2	Acenaphthene-d10	667000	14.392			
1517-22-2	Phenanthrene-d10	1360000	17.145			
1719-03-5	Chrysene-d12	1290000	21.392			
1520-96-3	Perylene-d12	1320000	24.386			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.30	AB		4.86	ug/L
000119-61-9	Benzophenone	2.30	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	3.00	J		18.0	ug/L
000077-94-1	Butyl citrate	8.00	J		19.5	ug/L

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Report of Analysis

Client:	CDM Smith			Date Collected:	05/02/25
Project:	Bergen Point Fueling System			Date Received:	05/02/25
Client Sample ID:	FB-05022025			SDG No.:	Q1956
Lab Sample ID:	Q1956-07			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	940	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050136.D	1	05/07/25 08:53	05/07/25 15:44	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Surrogate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167879BL	PB167879BL	2-Fluorophenol	150	128	86		18	112
		Phenol-d6	150	123	82		15	107
		Nitrobenzene-d5	100	75.4	75		18	107
		2-Fluorobiphenyl	100	75.5	75		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	89.9	90		10	105
PB167879BS	PB167879BS	2-Fluorophenol	150	127	84		18	112
		Phenol-d6	150	121	81		15	107
		Nitrobenzene-d5	100	74.7	75		18	107
		2-Fluorobiphenyl	100	75.8	76		20	109
		2,4,6-Tribromophenol	150	125	83		10	116
		Terphenyl-d14	100	83.5	84		10	105
Q1956-01	SB1-3-4	2-Fluorophenol	150	85.0	57		18	112
		Phenol-d6	150	80.6	54		15	107
		Nitrobenzene-d5	100	55.4	55		18	107
		2-Fluorobiphenyl	100	46.9	47		20	109
		2,4,6-Tribromophenol	150	103	69		10	116
		Terphenyl-d14	100	44.6	45		10	105
Q1956-02	SB2-4-5	2-Fluorophenol	150	117	78		18	112
		Phenol-d6	150	108	72		15	107
		Nitrobenzene-d5	100	77.3	77		18	107
		2-Fluorobiphenyl	100	73.9	74		20	109
		2,4,6-Tribromophenol	150	141	94		10	116
		Terphenyl-d14	100	71.8	72		10	105
Q1956-03MS	SB2-4-5MS	2-Fluorophenol	150	110	73		18	112
		Phenol-d6	150	104	70		15	107
		Nitrobenzene-d5	100	72.1	72		18	107
		2-Fluorobiphenyl	100	69.2	69		20	109
		2,4,6-Tribromophenol	150	132	88		10	116
		Terphenyl-d14	100	70.9	71		10	105
Q1956-04MSD	SB2-4-5MSD	2-Fluorophenol	150	105	70		18	112
		Phenol-d6	150	99.7	66		15	107
		Nitrobenzene-d5	100	69.9	70		18	107
		2-Fluorobiphenyl	100	66.1	66		20	109
		2,4,6-Tribromophenol	150	125	84		10	116
		Terphenyl-d14	100	65.0	65		10	105
Q1956-06	SB91-3-4	2-Fluorophenol	150	92.0	61		18	112
		Phenol-d6	150	84.7	56		15	107
		Nitrobenzene-d5	100	61.8	62		18	107
		2-Fluorobiphenyl	100	53.2	53		20	109
		2,4,6-Tribromophenol	150	111	74		10	116
		Terphenyl-d14	100	48.7	49		10	105

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Surrogate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167889BL	PB167889BL	2-Fluorophenol	150	134	90		10	139
		Phenol-d6	150	128	85		10	134
		Nitrobenzene-d5	100	78.9	79		49	133
		2-Fluorobiphenyl	100	80.6	81		52	132
		2,4,6-Tribromophenol	150	129	86		44	137
		Terphenyl-d14	100	92.2	92		48	125
PB167889BS	PB167889BS	2-Fluorophenol	150	127	85		10	139
		Phenol-d6	150	123	82		10	134
		Nitrobenzene-d5	100	74.0	74		49	133
		2-Fluorobiphenyl	100	76.1	76		52	132
		2,4,6-Tribromophenol	150	124	83		44	137
		Terphenyl-d14	100	79.2	79		48	125
PB167889BSD	PB167889BSD	2-Fluorophenol	150	134	89		10	139
		Phenol-d6	150	129	86		10	134
		Nitrobenzene-d5	100	78.3	78		49	133
		2-Fluorobiphenyl	100	80.2	80		52	132
		2,4,6-Tribromophenol	150	131	87		44	137
		Terphenyl-d14	100	85.8	86		48	125
Q1956-07	FB-05022025	2-Fluorophenol	150	61.6	41		10	139
		Phenol-d6	150	36.9	25		10	134
		Nitrobenzene-d5	100	78.8	79		49	133
		2-Fluorobiphenyl	100	74.4	74		52	132
		2,4,6-Tribromophenol	150	144	96		44	137
		Terphenyl-d14	100	84.3	84		48	125

Alliance TECHNICAL GROUP
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1956-03MS		**Client Sample ID: SB2-4-5MS**						**DataFile:**	**BP024551.D**		
Benzaldehyde	1800	0	1100	ug/Kg	61				10	86	
Phenol	1800	0	1700	ug/Kg	94				67	126	
bis(2-Chloroethyl)ether	1800	0	1500	ug/Kg	83				54	125	
2-Chlorophenol	1800	0	1700	ug/Kg	94				79	107	
2-Methylphenol	1800	0	1800	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1800	0	1600	ug/Kg	89				65	110	
Acetophenone	1800	0	1600	ug/Kg	89				75	111	
3+4-Methylphenols	1800	0	1800	ug/Kg	100				66	104	
N-Nitroso-di-n-propylamine	1800	0	1500	ug/Kg	83				59	119	
Hexachloroethane	1800	0	1700	ug/Kg	94				65	117	
Nitrobenzene	1800	0	1600	ug/Kg	89				70	119	
Isophorone	1800	0	1700	ug/Kg	94				76	122	
2-Nitrophenol	1800	0	1800	ug/Kg	100				54	145	
2,4-Dimethylphenol	1800	0	2500	ug/Kg	139	*			44	135	
bis(2-Chloroethoxy)methane	1800	0	1500	ug/Kg	83				68	112	
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100				72	118	
Naphthalene	1800	0	1600	ug/Kg	89				72	110	
4-Chloroaniline	1800	0	910	ug/Kg	51				10	91	
Hexachlorobutadiene	1800	0	1800	ug/Kg	100				66	114	
Caprolactam	1800	0	1700	ug/Kg	94				51	134	
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100				57	132	
2-Methylnaphthalene	1800	0	1500	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	3600	0	5300	ug/Kg	147				10	175	
2,4,6-Trichlorophenol	1800	0	1900	ug/Kg	106				72	117	
2,4,5-Trichlorophenol	1800	0	1900	ug/Kg	106				72	117	
1,1-Biphenyl	1800	0	1600	ug/Kg	89				75	113	
2-Chloronaphthalene	1800	0	1700	ug/Kg	94				67	118	
2-Nitroaniline	1800	0	1900	ug/Kg	106				69	127	
Dimethylphthalate	1800	0	1700	ug/Kg	94				70	113	
Acenaphthylene	1800	0	1800	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1800	0	1800	ug/Kg	100				70	125	
3-Nitroaniline	1800	0	1700	ug/Kg	94				30	99	
Acenaphthene	1800	0	1600	ug/Kg	89				70	121	
2,4-Dinitrophenol	3600	0	3500	ug/Kg	97				10	155	
4-Nitrophenol	3600	0	3600	ug/Kg	100				45	133	
Dibenzofuran	1800	0	1600	ug/Kg	89				72	110	
2,4-Dinitrotoluene	1800	0	1900	ug/Kg	106				55	128	
Diethylphthalate	1800	0	1700	ug/Kg	94				70	112	
4-Chlorophenyl-phenylether	1800	0	1700	ug/Kg	94				71	108	
Fluorene	1800	0	1700	ug/Kg	94				68	116	
4-Nitroaniline	1800	0	1700	ug/Kg	94				55	120	
4,6-Dinitro-2-methylphenol	1800	0	1700	ug/Kg	94				10	160	
N-Nitrosodiphenylamine	1800	0	1700	ug/Kg	94				73	118	
4-Bromophenyl-phenylether	1800	0	1800	ug/Kg	100				65	121	
Hexachlorobenzene	1800	0	1900	ug/Kg	106				67	118	
Atrazine	1800	0	2400	ug/Kg	133	*			79	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3600	0	3600	ug/Kg	100				47	128	
Phenanthrene	1800	0	1700	ug/Kg	94				52	128	
Anthracene	1800	0	1800	ug/Kg	100				62	124	
Carbazole	1800	0	1700	ug/Kg	94				59	119	
Di-n-butylphthalate	1800	0	1800	ug/Kg	100				69	118	
Fluoranthene	1800	0	1700	ug/Kg	94				44	125	
Pyrene	1800	0	1700	ug/Kg	94				26	142	
Butylbenzylphthalate	1800	0	1900	ug/Kg	106				64	126	
3,3-Dichlorobenzidine	1800	0	1400	ug/Kg	78				33	116	
Benzo(a)anthracene	1800	0	1700	ug/Kg	94				71	114	
Chrysene	1800	0	1600	ug/Kg	89				57	121	
bis(2-Ethylhexyl)phthalate	1800	0	1800	ug/Kg	100				42	169	
Di-n-octyl phthalate	1800	0	1800	ug/Kg	100				23	175	
Benzo(b)fluoranthene	1800	0	1600	ug/Kg	89				67	121	
Benzo(k)fluoranthene	1800	0	1700	ug/Kg	94				57	134	
Benzo(a)pyrene	1800	0	1800	ug/Kg	100				70	142	
Indeno(1,2,3-cd)pyrene	1800	0	1800	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1800	0	1800	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1800	0	1700	ug/Kg	94				24	125	
1,2,4,5-Tetrachlorobenzene	1800	0	1700	ug/Kg	94				69	124	
1,4-Dioxane	1800	0	1400	ug/Kg	78				46	112	
2,3,4,6-Tetrachlorophenol	1800	0	1800	ug/Kg	100				69	112	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1956-04MSD		**Client Sample ID: SB2-4-5MSD**						**DataFile: BP024552.D**			
Benzaldehyde	1800	0	1100	ug/Kg	61		0		10	86	20
Phenol	1800	0	1600	ug/Kg	89		5		67	126	20
bis(2-Chloroethyl)ether	1800	0	1500	ug/Kg	83		0		54	125	20
2-Chlorophenol	1800	0	1700	ug/Kg	94		0		79	107	20
2-Methylphenol	1800	0	1700	ug/Kg	94		6		66	122	20
2,2-oxybis(1-Chloropropane)	1800	0	1500	ug/Kg	83		7		65	110	20
Acetophenone	1800	0	1600	ug/Kg	89		0		75	111	20
3+4-Methylphenols	1800	0	1700	ug/Kg	94		6		66	104	20
N-Nitroso-di-n-propylamine	1800	0	1500	ug/Kg	83		0		59	119	20
Hexachloroethane	1800	0	1600	ug/Kg	89		5		65	117	20
Nitrobenzene	1800	0	1600	ug/Kg	89		0		70	119	20
Isophorone	1800	0	1600	ug/Kg	89		5		76	122	20
2-Nitrophenol	1800	0	1700	ug/Kg	94		6		54	145	20
2,4-Dimethylphenol	1800	0	2400	ug/Kg	133		4		44	135	20
bis(2-Chloroethoxy)methane	1800	0	1500	ug/Kg	83		0		68	112	20
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100		0		72	118	20
Naphthalene	1800	0	1500	ug/Kg	83		7		72	110	20
4-Chloroaniline	1800	0	900	ug/Kg	50		2		10	91	20
Hexachlorobutadiene	1800	0	1800	ug/Kg	100		0		66	114	20
Caprolactam	1800	0	1700	ug/Kg	94		0		51	134	20
4-Chloro-3-methylphenol	1800	0	1700	ug/Kg	94		6		57	132	20
2-Methylnaphthalene	1800	0	1400	ug/Kg	78		6		59	123	20
Hexachlorocyclopentadiene	3600	0	4900	ug/Kg	136		8		10	175	20
2,4,6-Trichlorophenol	1800	0	1800	ug/Kg	100		6		72	117	20
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100		6		72	117	20
1,1-Biphenyl	1800	0	1600	ug/Kg	89		0		75	113	20
2-Chloronaphthalene	1800	0	1600	ug/Kg	89		5		67	118	20
2-Nitroaniline	1800	0	1900	ug/Kg	106		0		69	127	20
Dimethylphthalate	1800	0	1600	ug/Kg	89		5		70	113	20
Acenaphthylene	1800	0	1700	ug/Kg	94		6		79	118	20
2,6-Dinitrotoluene	1800	0	1700	ug/Kg	94		6		70	125	20
3-Nitroaniline	1800	0	1600	ug/Kg	89		5		30	99	20
Acenaphthene	1800	0	1600	ug/Kg	89		0		70	121	20
2,4-Dinitrophenol	3600	0	3300	ug/Kg	92		5		10	155	20
4-Nitrophenol	3600	0	3500	ug/Kg	97		3		45	133	20
Dibenzofuran	1800	0	1500	ug/Kg	83		7		72	110	20
2,4-Dinitrotoluene	1800	0	1800	ug/Kg	100		6		55	128	20
Diethylphthalate	1800	0	1600	ug/Kg	89		5		70	112	20
4-Chlorophenyl-phenylether	1800	0	1600	ug/Kg	89		5		71	108	20
Fluorene	1800	0	1600	ug/Kg	89		5		68	116	20
4-Nitroaniline	1800	0	1700	ug/Kg	94		0		55	120	20
4,6-Dinitro-2-methylphenol	1800	0	1600	ug/Kg	89		5		10	160	20
N-Nitrosodiphenylamine	1800	0	1600	ug/Kg	89		5		73	118	20
4-Bromophenyl-phenylether	1800	0	1700	ug/Kg	94		6		65	121	20
Hexachlorobenzene	1800	0	1800	ug/Kg	100		6		67	118	20
Atrazine	1800	0	2300	ug/Kg	128	*	4		79	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3600	0	3500	ug/Kg	97		3		47	128	20
Phenanthrene	1800	0	1600	ug/Kg	89		5		52	128	20
Anthracene	1800	0	1700	ug/Kg	94		6		62	124	20
Carbazole	1800	0	1700	ug/Kg	94		0		59	119	20
Di-n-butylphthalate	1800	0	1700	ug/Kg	94		6		69	118	20
Fluoranthene	1800	0	1600	ug/Kg	89		5		44	125	20
Pyrene	1800	0	1600	ug/Kg	89		5		26	142	20
Butylbenzylphthalate	1800	0	1700	ug/Kg	94		12		64	126	20
3,3-Dichlorobenzidine	1800	0	1400	ug/Kg	78		0		33	116	20
Benzo(a)anthracene	1800	0	1700	ug/Kg	94		0		71	114	20
Chrysene	1800	0	1600	ug/Kg	89		0		57	121	20
bis(2-Ethylhexyl)phthalate	1800	0	1700	ug/Kg	94		6		42	169	20
Di-n-octyl phthalate	1800	0	1800	ug/Kg	100		0		23	175	20
Benzo(b)fluoranthene	1800	0	1500	ug/Kg	83		7		67	121	20
Benzo(k)fluoranthene	1800	0	1600	ug/Kg	89		5		57	134	20
Benzo(a)pyrene	1800	0	1800	ug/Kg	100		0		70	142	20
Indeno(1,2,3-cd)pyrene	1800	0	1800	ug/Kg	100		0		40	129	20
Dibenz(a,h)anthracene	1800	0	1700	ug/Kg	94		6		43	123	20
Benzo(g,h,i)perylene	1800	0	1700	ug/Kg	94		0		24	125	20
1,2,4,5-Tetrachlorobenzene	1800	0	1700	ug/Kg	94		0		69	124	20
1,4-Dioxane	1800	0	1300	ug/Kg	72		8		46	112	20
2,3,4,6-Tetrachlorophenol	1800	0	1700	ug/Kg	94		6		69	112	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BM050131.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167879BS	Benzaldehyde	1700	740	ug/Kg	44				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				65	112	
	2-Methylphenol	1700	1300	ug/Kg	76				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1400	ug/Kg	82				66	98	
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111	
	N-Nitroso-di-n-propylamine	1700	1200	ug/Kg	71				63	95	
	Hexachloroethane	1700	1300	ug/Kg	76				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				46	141	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1300	ug/Kg	76				62	100	
	4-Chloroaniline	1700	1100	ug/Kg	65				16	100	
	Hexachlorobutadiene	1700	1400	ug/Kg	82				53	98	
	Caprolactam	1700	1200	ug/Kg	71				67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3000	ug/Kg	91				45	165	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				66	101	
	Dimethylphthalate	1700	1300	ug/Kg	76				61	99	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol	3300	2400	ug/Kg	73				48	119	
	Dibenzofuran	1700	1300	ug/Kg	76				63	99	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	Diethylphthalate	1700	1300	ug/Kg	76				60	101	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				58	98	
	Fluorene	1700	1300	ug/Kg	76				61	101	
	4-Nitroaniline	1700	1200	ug/Kg	71				64	103	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1400	ug/Kg	82				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BM050131.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167879BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1400	ug/Kg	82				47	152	
	Pentachlorophenol	3300	3000	ug/Kg	91				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1400	ug/Kg	82				61	99	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104	
	Fluoranthene	1700	1300	ug/Kg	76				57	107	
	Pyrene	1700	1500	ug/Kg	88				59	103	
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1400	ug/Kg	82				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				54	135	
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1300	ug/Kg	76				62	109	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1300	ug/Kg	76				59	108	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BM050142.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167889BS	Benzaldehyde	50	23.0	ug/L	46				10	162	
	Phenol	50	42.9	ug/L	86				66	118	
	bis(2-Chloroethyl)ether	50	40.5	ug/L	81				62	103	
	2-Chlorophenol	50	42.6	ug/L	85				70	117	
	2-Methylphenol	50	41.7	ug/L	83				69	109	
	2,2-oxybis(1-Chloropropane)	50	40.9	ug/L	82				65	100	
	Acetophenone	50	41.5	ug/L	83				60	104	
	3+4-Methylphenols	50	41.5	ug/L	83				67	106	
	N-Nitroso-di-n-propylamine	50	39.6	ug/L	79				57	107	
	Hexachloroethane	50	40.2	ug/L	80				76	118	
	Nitrobenzene	50	42.3	ug/L	85				58	106	
	Isophorone	50	39.9	ug/L	80				61	102	
	2-Nitrophenol	50	43.8	ug/L	88				70	115	
	2,4-Dimethylphenol	50	42.9	ug/L	86				42	142	
	bis(2-Chloroethoxy)methane	50	41.3	ug/L	83				58	109	
	2,4-Dichlorophenol	50	43.0	ug/L	86				66	115	
	Naphthalene	50	40.9	ug/L	82				64	107	
	4-Chloroaniline	50	17.7	ug/L	35				10	85	
	Hexachlorobutadiene	50	41.9	ug/L	84				69	101	
	Caprolactam	50	37.4	ug/L	75				58	128	
	4-Chloro-3-methylphenol	50	40.8	ug/L	82				65	114	
	2-Methylnaphthalene	50	39.9	ug/L	80				64	107	
	Hexachlorocyclopentadiene	100	95.8	ug/L	96				36	160	
	2,4,6-Trichlorophenol	50	44.8	ug/L	90				61	110	
	2,4,5-Trichlorophenol	50	44.3	ug/L	89				70	106	
	1,1-Biphenyl	50	43.2	ug/L	86				72	98	
	2-Chloronaphthalene	50	42.9	ug/L	86				59	106	
	2-Nitroaniline	50	44.7	ug/L	89				73	114	
	Dimethylphthalate	50	41.2	ug/L	82				64	103	
	Acenaphthylene	50	42.3	ug/L	85				79	103	
	2,6-Dinitrotoluene	50	43.1	ug/L	86				64	110	
	3-Nitroaniline	50	24.8	ug/L	50				28	100	
	Acenaphthene	50	42.1	ug/L	84				59	113	
	2,4-Dinitrophenol	100	79.6	ug/L	80				36	166	
	4-Nitrophenol	100	75.7	ug/L	76				45	147	
	Dibenzofuran	50	41.8	ug/L	84				65	106	
	2,4-Dinitrotoluene	50	42.9	ug/L	86				60	115	
	Diethylphthalate	50	40.0	ug/L	80				63	105	
	4-Chlorophenyl-phenylether	50	41.7	ug/L	83				61	104	
	Fluorene	50	41.6	ug/L	83				64	107	
	4-Nitroaniline	50	38.0	ug/L	76				55	125	
	4,6-Dinitro-2-methylphenol	50	44.5	ug/L	89				62	132	
	N-Nitrosodiphenylamine	50	45.5	ug/L	91				61	109	
	4-Bromophenyl-phenylether	50	44.3	ug/L	89				73	103	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BM050142.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167889BS	Hexachlorobenzene	50	44.5	ug/L	89				73	106	
	Atrazine	50	43.7	ug/L	87				76	120	
	Pentachlorophenol	100	95.9	ug/L	96				47	114	
	Phenanthrene	50	43.2	ug/L	86				62	109	
	Anthracene	50	43.9	ug/L	88				65	110	
	Carbazole	50	43.3	ug/L	87				62	106	
	Di-n-butylphthalate	50	42.6	ug/L	85				64	106	
	Fluoranthene	50	42.4	ug/L	85				64	110	
	Pyrene	50	44.0	ug/L	88				71	103	
	Butylbenzylphthalate	50	43.8	ug/L	88				61	105	
	3,3-Dichlorobenzidine	50	24.9	ug/L	50				43	108	
	Benzo(a)anthracene	50	43.8	ug/L	88				62	107	
	Chrysene	50	43.2	ug/L	86				61	108	
	bis(2-Ethylhexyl)phthalate	50	42.8	ug/L	86				59	110	
	Di-n-octyl phthalate	50	43.7	ug/L	87				52	139	
	Benzo(b)fluoranthene	50	43.5	ug/L	87				77	113	
	Benzo(k)fluoranthene	50	42.0	ug/L	84				77	105	
	Benzo(a)pyrene	50	43.9	ug/L	88				72	131	
	Indeno(1,2,3-cd)pyrene	50	48.7	ug/L	97				72	105	
	Dibenz(a,h)anthracene	50	49.0	ug/L	98				78	115	
	Benzo(g,h,i)perylene	50	48.5	ug/L	97				75	118	
	1,2,4,5-Tetrachlorobenzene	50	44.2	ug/L	88				72	101	
	1,4-Dioxane	50	33.9	ug/L	68				38	125	
	2,3,4,6-Tetrachlorophenol	50	41.9	ug/L	84				63	116	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BM050143.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167889BSD	Benzaldehyde	50	23.2	ug/L	46	1			10	162	20
	Phenol	50	43.7	ug/L	87	2			66	118	20
	bis(2-Chloroethyl)ether	50	41.7	ug/L	83	3			62	103	20
	2-Chlorophenol	50	43.7	ug/L	87	3			70	117	20
	2-Methylphenol	50	42.7	ug/L	85	2			69	109	20
	2,2-oxybis(1-Chloropropane)	50	41.6	ug/L	83	2			65	100	20
	Acetophenone	50	42.8	ug/L	86	3			60	104	20
	3+4-Methylphenols	50	42.0	ug/L	84	1			67	106	20
	N-Nitroso-di-n-propylamine	50	40.2	ug/L	80	2			57	107	20
	Hexachloroethane	50	41.7	ug/L	83	4			76	118	20
	Nitrobenzene	50	43.5	ug/L	87	3			58	106	20
	Isophorone	50	40.9	ug/L	82	2			61	102	20
	2-Nitrophenol	50	45.0	ug/L	90	3			70	115	20
	2,4-Dimethylphenol	50	44.0	ug/L	88	3			42	142	20
	bis(2-Chloroethoxy)methane	50	42.0	ug/L	84	2			58	109	20
	2,4-Dichlorophenol	50	44.5	ug/L	89	3			66	115	20
	Naphthalene	50	42.4	ug/L	85	4			64	107	20
	4-Chloroaniline	50	16.2	ug/L	32	9			10	85	20
	Hexachlorobutadiene	50	43.7	ug/L	87	4			69	101	20
	Caprolactam	50	37.8	ug/L	76	1			58	128	20
	4-Chloro-3-methylphenol	50	41.1	ug/L	82	1			65	114	20
	2-Methylnaphthalene	50	41.1	ug/L	82	3			64	107	20
	Hexachlorocyclopentadiene	100	98.8	ug/L	99	3			36	160	20
	2,4,6-Trichlorophenol	50	45.6	ug/L	91	2			61	110	20
	2,4,5-Trichlorophenol	50	45.8	ug/L	92	3			70	106	20
	1,1-Biphenyl	50	44.4	ug/L	89	3			72	98	20
	2-Chloronaphthalene	50	44.6	ug/L	89	4			59	106	20
	2-Nitroaniline	50	45.7	ug/L	91	2			73	114	20
	Dimethylphthalate	50	42.1	ug/L	84	2			64	103	20
	Acenaphthylene	50	43.5	ug/L	87	3			79	103	20
	2,6-Dinitrotoluene	50	43.9	ug/L	88	2			64	110	20
	3-Nitroaniline	50	23.6	ug/L	47	5			28	100	20
	Acenaphthene	50	43.4	ug/L	87	3			59	113	20
	2,4-Dinitrophenol	100	81.0	ug/L	81	2			36	166	20
	4-Nitrophenol	100	75.5	ug/L	76	0			45	147	20
	Dibenzofuran	50	42.6	ug/L	85	2			65	106	20
	2,4-Dinitrotoluene	50	43.4	ug/L	87	1			60	115	20
	Diethylphthalate	50	40.7	ug/L	81	2			63	105	20
	4-Chlorophenyl-phenylether	50	42.7	ug/L	85	2			61	104	20
	Fluorene	50	42.4	ug/L	85	2			64	107	20
	4-Nitroaniline	50	37.3	ug/L	75	2			55	125	20
	4,6-Dinitro-2-methylphenol	50	45.5	ug/L	91	2			62	132	20
	N-Nitrosodiphenylamine	50	46.2	ug/L	92	2			61	109	20
	4-Bromophenyl-phenylether	50	45.6	ug/L	91	3			73	103	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BM050143.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167889BSD	Hexachlorobenzene	50	45.6	ug/L	91	2			73	106	20
	Atrazine	50	44.0	ug/L	88	1			76	120	20
	Pentachlorophenol	100	97.1	ug/L	97	1			47	114	20
	Phenanthrene	50	44.3	ug/L	89	3			62	109	20
	Anthracene	50	44.6	ug/L	89	2			65	110	20
	Carbazole	50	44.0	ug/L	88	2			62	106	20
	Di-n-butylphthalate	50	43.1	ug/L	86	1			64	106	20
	Fluoranthene	50	42.5	ug/L	85	0			64	110	20
	Pyrene	50	46.5	ug/L	93	6			71	103	20
	Butylbenzylphthalate	50	45.3	ug/L	91	3			61	105	20
	3,3-Dichlorobenzidine	50	25.0	ug/L	50	0			43	108	20
	Benzo(a)anthracene	50	45.0	ug/L	90	3			62	107	20
	Chrysene	50	44.3	ug/L	89	3			61	108	20
	bis(2-Ethylhexyl)phthalate	50	44.2	ug/L	88	3			59	110	20
	Di-n-octyl phthalate	50	44.4	ug/L	89	2			52	139	20
	Benzo(b)fluoranthene	50	44.1	ug/L	88	1			77	113	20
	Benzo(k)fluoranthene	50	43.1	ug/L	86	3			77	105	20
	Benzo(a)pyrene	50	44.6	ug/L	89	2			72	131	20
	Indeno(1,2,3-cd)pyrene	50	50.2	ug/L	100	3			72	105	20
	Dibenz(a,h)anthracene	50	50.4	ug/L	101	3			78	115	20
	Benzo(g,h,i)perylene	50	50.4	ug/L	101	4			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	45.8	ug/L	92	4			72	101	20
	1,4-Dioxane	50	35.6	ug/L	71	5			38	125	20
	2,3,4,6-Tetrachlorophenol	50	42.9	ug/L	86	2			63	116	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167879BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BM050130.D Lab Sample ID: PB167879BL

Instrument ID: BNA_M Date Extracted: 05/06/2025

Matrix: (soil/water) SOIL Date Analyzed: 05/07/2025

Level: (low/med) LOW Time Analyzed: 10:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167879BS	PB167879BS	BM050131.D	05/07/2025
SB1-3-4	Q1956-01	BP024549.D	05/06/2025
SB2-4-5	Q1956-02	BP024550.D	05/06/2025
SB2-4-5MS	Q1956-03MS	BP024551.D	05/06/2025
SB2-4-5MSD	Q1956-04MSD	BP024552.D	05/06/2025
SB91-3-4	Q1956-06	BP024553.D	05/06/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167889BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BM050141.D Lab Sample ID: PB167889BL

Instrument ID: BNA_M Date Extracted: 05/07/2025

Matrix: (soil/water) Water Date Analyzed: 05/08/2025

Level: (low/med) LOW Time Analyzed: 11:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167889BS	PB167889BS	BM050142.D	05/08/2025
PB167889BSD	PB167889BSD	BM050143.D	05/08/2025
FB-05022025	Q1956-07	BM050136.D	05/07/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BM050023.D DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_M DFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	14.4 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050024.D	04/28/2025	12:30
SSTDICC005	SSTDICC005	BM050025.D	04/28/2025	13:09
SSTDICC010	SSTDICC010	BM050026.D	04/28/2025	13:48
SSTDICC020	SSTDICC020	BM050027.D	04/28/2025	14:27
SSTDICCC040	SSTDICCC040	BM050028.D	04/28/2025	15:06
SSTDICC050	SSTDICC050	BM050029.D	04/28/2025	15:45
SSTDICC060	SSTDICC060	BM050030.D	04/28/2025	16:24
SSTDICC080	SSTDICC080	BM050031.D	04/28/2025	17:04

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BM050128.D DFTPP Injection Date: 05/07/2025

Instrument ID: BNA_M DFTPP Injection Time: 09:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	27.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	35
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	26.1
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	14.6 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050129.D	05/07/2025	09:56
PB167879BL	PB167879BL	BM050130.D	05/07/2025	10:35
PB167879BS	PB167879BS	BM050131.D	05/07/2025	11:14
FB-05022025	Q1956-07	BM050136.D	05/07/2025	15:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BM050139.D DFTPP Injection Date: 05/08/2025

Instrument ID: BNA_M DFTPP Injection Time: 09:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.7
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	25.8
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	33.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	16.8 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050140.D	05/08/2025	10:41
PB167889BL	PB167889BL	BM050141.D	05/08/2025	11:21
PB167889BS	PB167889BS	BM050142.D	05/08/2025	12:00
PB167889BSD	PB167889BSD	BM050143.D	05/08/2025	12:39

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BP024274.D DFTPP Injection Date: 04/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	19.2 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024275.D	04/14/2025	11:06
SSTDICC005	SSTDICC005	BP024276.D	04/14/2025	11:47
SSTDICC010	SSTDICC010	BP024277.D	04/14/2025	12:27
SSTDICC020	SSTDICC020	BP024278.D	04/14/2025	13:08
SSTDICCC040	SSTDICCC040	BP024279.D	04/14/2025	13:49
SSTDICC050	SSTDICC050	BP024280.D	04/14/2025	15:10
SSTDICC060	SSTDICC060	BP024281.D	04/14/2025	16:32
SSTDICC080	SSTDICC080	BP024282.D	04/14/2025	17:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BP024539.D DFTPP Injection Date: 05/06/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:37

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.3
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	35.0
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	47.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	31.6
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	19.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024540.D	05/06/2025	10:17
SB1-3-4	Q1956-01	BP024549.D	05/06/2025	16:27
SB2-4-5	Q1956-02	BP024550.D	05/06/2025	17:08
SB2-4-5MS	Q1956-03MS	BP024551.D	05/06/2025	17:48
SB2-4-5MSD	Q1956-04MSD	BP024552.D	05/06/2025	18:29
SB91-3-4	Q1956-06	BP024553.D	05/06/2025	19:10

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BM050129.D Time Analyzed: 09:56

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	266306	7.746	985466	10.53	648787	14.39
	UPPER LIMIT	532612	8.246	1970930	11.034	1297570	14.892
	LOWER LIMIT	133153	7.246	492733	10.034	324394	13.892
	EPA SAMPLE NO.						
01	PB167879BL	266570	7.75	933974	10.54	599928	14.39
02	PB167879BS	261504	7.75	899945	10.53	545059	14.39
03	FB-05022025	270666	7.75	990337	10.54	667274	14.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BM050129.D Time Analyzed: 09:56

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1276060	17.139	1188730	21.386	1179190	24.38
	UPPER LIMIT	2552120	17.639	2377460	21.886	2358380	24.88
	LOWER LIMIT	638030	16.639	594365	20.886	589595	23.88
	EPA SAMPLE NO.						
01	PB167879BL	1149460	17.15	916515	21.39	987965	24.38
02	PB167879BS	982729	17.14	848155	21.39	892873	24.38
03	FB-05022025	1355840	17.15	1289770	21.39	1323340	24.39

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/08/2025

Lab File ID: BM050140.D Time Analyzed: 10:41

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	370324	7.74	1368860	10.53	879874	14.39
	UPPER LIMIT	740648	8.24	2737720	11.034	1759750	14.892
	LOWER LIMIT	185162	7.24	684430	10.034	439937	13.892
	EPA SAMPLE NO.						
01	PB167889BL	284899	7.74	988666	10.54	615934	14.39
02	PB167889BS	270040	7.74	938494	10.53	568093	14.39
03	PB167889BSD	264346	7.74	911076	10.53	548910	14.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/08/2025

Lab File ID: BM050140.D Time Analyzed: 10:41

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1654930	17.139	1237710	21.386	1026250	24.38
	UPPER LIMIT	3309860	17.639	2475420	21.886	2052500	24.88
	LOWER LIMIT	827465	16.639	618855	20.886	513125	23.88
	EPA SAMPLE NO.						
01	PB167889BL	1138370	17.15	926404	21.39	1008660	24.39
02	PB167889BS	1021170	17.14	945959	21.38	977986	24.38
03	PB167889BSD	982803	17.14	868474	21.39	893841	24.38

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/06/2025

Lab File ID: BP024540.D Time Analyzed: 10:17

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	159873	7.705	632107	10.48	387042	14.34
	UPPER LIMIT	319746	8.205	1264210	10.975	774084	14.839
	LOWER LIMIT	79936.5	7.205	316054	9.975	193521	13.839
	EPA SAMPLE NO.						
01	SB1-3-4	150689	7.70	615485	10.48	391349	14.33
02	SB2-4-5	144877	7.70	584391	10.48	366246	14.33
03	SB2-4-5MS	162516	7.70	676019	10.48	432416	14.34
04	SB2-4-5MSD	159404	7.71	649824	10.48	418006	14.34
05	SB91-3-4	154903	7.71	597113	10.48	372722	14.34

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/06/2025

Lab File ID: BP024540.D Time Analyzed: 10:17

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	762899	17.139	851557	21.58	1008560	24.898
	UPPER LIMIT	1525800	17.639	1703110	22.08	2017120	25.398
	LOWER LIMIT	381450	16.639	425779	21.08	504280	24.398
	EPA SAMPLE NO.						
01	SB1-3-4	806215	17.14	922966	21.58	1084080	24.92
02	SB2-4-5	734769	17.14	831828	21.58	997130	24.93
03	SB2-4-5MS	848825	17.13	867916	21.59	1020860	24.92
04	SB2-4-5MSD	822120	17.13	922769	21.59	1087020	24.92
05	SB91-3-4	751257	17.14	894391	21.58	1072140	24.90

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER 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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167879BL	SDG No.:	Q1956
Lab Sample ID:	PB167879BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050130.D	1	05/06/25 09:25	05/07/25 10:35	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	330	U	160	330	ug/Kg
108-95-2	Phenol	170	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	170	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	170	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	170	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	37.5	170	ug/Kg
98-86-2	Acetophenone	170	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	330	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	170	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	170	U	18.3	170	ug/Kg
78-59-1	Isophorone	170	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	170	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	170	U	28.3	170	ug/Kg
91-20-3	Naphthalene	170	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	170	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	25.3	170	ug/Kg
105-60-2	Caprolactam	330	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	170	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	330	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	170	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	170	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	170	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	170	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	170	U	27.1	170	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Bergen Point Fueling System			Date Received:	
Client Sample ID:	PB167879BL			SDG No.:	Q1956
Lab Sample ID:	PB167879BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050130.D	1	05/06/25 09:25	05/07/25 10:35	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	170	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	170	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	170	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	170	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	330	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	330	U	110	330	ug/Kg
132-64-9	Dibenzofuran	170	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	170	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	170	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	170	U	26.7	170	ug/Kg
86-73-7	Fluorene	170	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	170	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	330	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	170	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	170	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	170	U	25.3	170	ug/Kg
1912-24-9	Atrazine	170	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	330	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	170	U	20.9	170	ug/Kg
120-12-7	Anthracene	170	U	33.3	170	ug/Kg
86-74-8	Carbazole	170	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	170	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	170	U	30.0	170	ug/Kg
129-00-0	Pyrene	170	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	330	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	23.0	170	ug/Kg
218-01-9	Chrysene	170	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	330	U	86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	170	U	19.0	170	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167879BL	SDG No.:	Q1956
Lab Sample ID:	PB167879BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050130.D	1	05/06/25 09:25	05/07/25 10:35	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	170	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	170	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	128		18 - 112	86%	SPK: 150
13127-88-3	Phenol-d6	123		15 - 107	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	75.4		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.5		20 - 109	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	89.9		10 - 105	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	267000	7.745			
1146-65-2	Naphthalene-d8	934000	10.539			
15067-26-2	Acenaphthene-d10	600000	14.392			
1517-22-2	Phenanthrene-d10	1150000	17.145			
1719-03-5	Chrysene-d12	917000	21.386			
1520-96-3	Perylene-d12	988000	24.38			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	240	A		4.87	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Bergen Point Fueling System			Date Received:	
Client Sample ID:	PB167879BL			SDG No.:	Q1956
Lab Sample ID:	PB167879BL			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050130.D	1	05/06/25 09:25	05/07/25 10:35	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167889BL	SDG No.:	Q1956
Lab Sample ID:	PB167889BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050141.D	1	05/07/25 08:53	05/08/25 11:21	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	10.0	U	3.90	10.0	ug/L
108-95-2	Phenol	5.00	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	5.00	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	5.00	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	5.00	U	1.30	5.00	ug/L
98-86-2	Acetophenone	5.00	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	5.00	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	0.76	5.00	ug/L
78-59-1	Isophorone	5.00	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	5.00	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	5.00	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	5.00	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	5.00	U	0.52	5.00	ug/L
91-20-3	Naphthalene	5.00	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	5.00	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	0.54	5.00	ug/L
105-60-2	Caprolactam	10.0	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	5.00	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	5.00	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	10.0	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	5.00	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	5.00	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	5.00	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	5.00	U	0.61	5.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167889BL	SDG No.:	Q1956
Lab Sample ID:	PB167889BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050141.D	1	05/07/25 08:53	05/08/25 11:21	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	5.00	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	5.00	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	5.00	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	5.00	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	10.0	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	10.0	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	5.00	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	5.00	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	5.00	U	0.68	5.00	ug/L
86-73-7	Fluorene	5.00	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	5.00	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	10.0	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	5.00	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	5.00	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	0.52	5.00	ug/L
1912-24-9	Atrazine	5.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	5.00	U	0.50	5.00	ug/L
120-12-7	Anthracene	5.00	U	0.61	5.00	ug/L
86-74-8	Carbazole	5.00	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	5.00	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	0.82	5.00	ug/L
129-00-0	Pyrene	5.00	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	5.00	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	10.0	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	0.45	5.00	ug/L
218-01-9	Chrysene	5.00	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.00	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	10.0	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	5.00	U	0.49	5.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167889BL	SDG No.:	Q1956
Lab Sample ID:	PB167889BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050141.D	1	05/07/25 08:53	05/08/25 11:21	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	5.00	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	5.00	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	5.00	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	5.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	5.00	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		10 - 139	90%	SPK: 150
13127-88-3	Phenol-d6	128		10 - 134	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.9		49 - 133	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.6		52 - 132	81%	SPK: 100
118-79-6	2,4,6-Tribromophenol	129		44 - 137	86%	SPK: 150
1718-51-0	Terphenyl-d14	92.2		48 - 125	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	285000	7.739			
1146-65-2	Naphthalene-d8	989000	10.539			
15067-26-2	Acenaphthene-d10	616000	14.392			
1517-22-2	Phenanthrene-d10	1140000	17.145			
1719-03-5	Chrysene-d12	926000	21.391			
1520-96-3	Perylene-d12	1010000	24.385			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.80	A		4.87	ug/L

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Bergen Point Fueling System			Date Received:	
Client Sample ID:	PB167889BL			SDG No.:	Q1956
Lab Sample ID:	PB167889BL			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050141.D	1	05/07/25 08:53	05/08/25 11:21	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167879BS	SDG No.:	Q1956
Lab Sample ID:	PB167879BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050131.D	1	05/06/25 09:25	05/07/25 11:14	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	740		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1300		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		37.5	170	ug/Kg
98-86-2	Acetophenone	1400		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1300		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1400		18.3	170	ug/Kg
78-59-1	Isophorone	1300		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1400		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		28.3	170	ug/Kg
91-20-3	Naphthalene	1300		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	1100		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1400		25.3	170	ug/Kg
105-60-2	Caprolactam	1200		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1400		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1300		27.1	170	ug/Kg

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Bergen Point Fueling System			Date Received:	
Client Sample ID:	PB167879BS			SDG No.:	Q1956
Lab Sample ID:	PB167879BS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	100
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050131.D	1	05/06/25 09:25	05/07/25 11:14	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1200		46.0	170	ug/Kg
83-32-9	Acenaphthene	1400		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2600		230	330	ug/Kg
100-02-7	4-Nitrophenol	2400		110	330	ug/Kg
132-64-9	Dibenzofuran	1300		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1300		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		26.7	170	ug/Kg
86-73-7	Fluorene	1300		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1200		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		25.3	170	ug/Kg
1912-24-9	Atrazine	1400		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3000	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1400		33.3	170	ug/Kg
86-74-8	Carbazole	1400		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		47.9	170	ug/Kg
206-44-0	Fluoranthene	1300		30.0	170	ug/Kg
129-00-0	Pyrene	1500		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		23.0	170	ug/Kg
218-01-9	Chrysene	1400		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		19.0	170	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167879BS	SDG No.:	Q1956
Lab Sample ID:	PB167879BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050131.D	1	05/06/25 09:25	05/07/25 11:14	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1100		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	127		18 - 112	84%	SPK: 150
13127-88-3	Phenol-d6	121		15 - 107	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.7		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.8		20 - 109	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		10 - 116	83%	SPK: 150
1718-51-0	Terphenyl-d14	83.5		10 - 105	84%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	262000	7.745			
1146-65-2	Naphthalene-d8	900000	10.533			
15067-26-2	Acenaphthene-d10	545000	14.392			
1517-22-2	Phenanthrene-d10	983000	17.139			
1719-03-5	Chrysene-d12	848000	21.386			
1520-96-3	Perylene-d12	893000	24.379			

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167889BS	SDG No.:	Q1956
Lab Sample ID:	PB167889BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050142.D	1	05/07/25 08:53	05/08/25 12:00	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	23.0		3.90	10.0	ug/L
108-95-2	Phenol	42.9		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.5		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	42.6		0.58	5.00	ug/L
95-48-7	2-Methylphenol	41.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.9		1.30	5.00	ug/L
98-86-2	Acetophenone	41.5		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	41.5		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.6		1.40	2.50	ug/L
67-72-1	Hexachloroethane	40.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	42.3		0.76	5.00	ug/L
78-59-1	Isophorone	39.9		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	43.8		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.9		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.3		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.0		0.52	5.00	ug/L
91-20-3	Naphthalene	40.9		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	17.7		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.9		0.54	5.00	ug/L
105-60-2	Caprolactam	37.4		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	40.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.9		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	95.8	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.8		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	44.3		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	43.2		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.9		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	44.7		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	41.2		0.61	5.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167889BS	SDG No.:	Q1956
Lab Sample ID:	PB167889BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050142.D	1	05/07/25 08:53	05/08/25 12:00	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	42.3		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.1		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	24.8		1.10	5.00	ug/L
83-32-9	Acenaphthene	42.1		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	79.6		6.00	10.0	ug/L
100-02-7	4-Nitrophenol	75.7		2.40	10.0	ug/L
132-64-9	Dibenzofuran	41.8		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	42.9		1.20	5.00	ug/L
84-66-2	Diethylphthalate	40.0		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.7		0.68	5.00	ug/L
86-73-7	Fluorene	41.6		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	38.0		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.5		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	45.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.3		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	44.5		0.52	5.00	ug/L
1912-24-9	Atrazine	43.7		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	95.9	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.2		0.50	5.00	ug/L
120-12-7	Anthracene	43.9		0.61	5.00	ug/L
86-74-8	Carbazole	43.3		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	42.6		1.20	5.00	ug/L
206-44-0	Fluoranthene	42.4		0.82	5.00	ug/L
129-00-0	Pyrene	44.0		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	43.8		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	24.9		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.8		0.45	5.00	ug/L
218-01-9	Chrysene	43.2		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	42.8		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.7		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	43.5		0.49	5.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167889BS	SDG No.:	Q1956
Lab Sample ID:	PB167889BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050142.D	1	05/07/25 08:53	05/08/25 12:00	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	42.0		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	43.9		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	48.5		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.2		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	33.9		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41.9		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	127		10 - 139	85%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.0		49 - 133	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.1		52 - 132	76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		44 - 137	83%	SPK: 150
1718-51-0	Terphenyl-d14	79.2		48 - 125	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	270000	7.74			
1146-65-2	Naphthalene-d8	938000	10.534			
15067-26-2	Acenaphthene-d10	568000	14.392			
1517-22-2	Phenanthrene-d10	1020000	17.139			
1719-03-5	Chrysene-d12	946000	21.38			
1520-96-3	Perylene-d12	978000	24.38			

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167889BSD	SDG No.:	Q1956
Lab Sample ID:	PB167889BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050143.D	1	05/07/25 08:53	05/08/25 12:39	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	23.2		3.90	10.0	ug/L
108-95-2	Phenol	43.7		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.7		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	43.7		0.58	5.00	ug/L
95-48-7	2-Methylphenol	42.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.6		1.30	5.00	ug/L
98-86-2	Acetophenone	42.8		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.0		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.2		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.7		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.5		0.76	5.00	ug/L
78-59-1	Isophorone	40.9		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	45.0		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	44.0		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.0		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.5		0.52	5.00	ug/L
91-20-3	Naphthalene	42.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	16.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.7		0.54	5.00	ug/L
105-60-2	Caprolactam	37.8		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.1		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	41.1		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	98.8	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	45.6		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.8		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	44.4		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	44.6		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.7		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	42.1		0.61	5.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167889BSD	SDG No.:	Q1956
Lab Sample ID:	PB167889BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050143.D	1	05/07/25 08:53	05/08/25 12:39	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.9		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	23.6		1.10	5.00	ug/L
83-32-9	Acenaphthene	43.4		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	81.0	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	75.5		2.40	10.0	ug/L
132-64-9	Dibenzofuran	42.6		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	43.4		1.20	5.00	ug/L
84-66-2	Diethylphthalate	40.7		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.7		0.68	5.00	ug/L
86-73-7	Fluorene	42.4		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	37.3		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.5		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	46.2		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	45.6		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	45.6		0.52	5.00	ug/L
1912-24-9	Atrazine	44.0		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	97.1	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	44.3		0.50	5.00	ug/L
120-12-7	Anthracene	44.6		0.61	5.00	ug/L
86-74-8	Carbazole	44.0		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	43.1		1.20	5.00	ug/L
206-44-0	Fluoranthene	42.5		0.82	5.00	ug/L
129-00-0	Pyrene	46.5		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	45.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.0		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.0		0.45	5.00	ug/L
218-01-9	Chrysene	44.3		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.2		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	44.4		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	44.1		0.49	5.00	ug/L

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167889BSD	SDG No.:	Q1956
Lab Sample ID:	PB167889BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050143.D	1	05/07/25 08:53	05/08/25 12:39	PB167889

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	43.1		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	44.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	50.2		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.4		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	50.4		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	45.8		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	35.6		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.9		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	134		10 - 139	89%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	78.3		49 - 133	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.2		52 - 132	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		44 - 137	87%	SPK: 150
1718-51-0	Terphenyl-d14	85.8		48 - 125	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	264000	7.74			
1146-65-2	Naphthalene-d8	911000	10.534			
15067-26-2	Acenaphthene-d10	549000	14.392			
1517-22-2	Phenanthrene-d10	983000	17.139			
1719-03-5	Chrysene-d12	868000	21.386			
1520-96-3	Perylene-d12	894000	24.38			

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024551.D	1	05/06/25 09:25	05/06/25 17:48	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		170	350	ug/Kg
108-95-2	Phenol	1700		23.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		25.9	180	ug/Kg
95-57-8	2-Chlorophenol	1700		26.0	180	ug/Kg
95-48-7	2-Methylphenol	1800		31.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		40.0	180	ug/Kg
98-86-2	Acetophenone	1600		31.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	1800		43.8	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		50.6	85.3	ug/Kg
67-72-1	Hexachloroethane	1700		18.8	180	ug/Kg
98-95-3	Nitrobenzene	1600		19.5	180	ug/Kg
78-59-1	Isophorone	1700		35.0	180	ug/Kg
88-75-5	2-Nitrophenol	1800		62.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2500		69.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		32.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		30.2	180	ug/Kg
91-20-3	Naphthalene	1600		24.2	180	ug/Kg
106-47-8	4-Chloroaniline	910		37.8	180	ug/Kg
87-68-3	Hexachlorobutadiene	1800		27.0	180	ug/Kg
105-60-2	Caprolactam	1700		55.6	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		30.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	1500		27.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	5300	E	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		21.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		31.0	180	ug/Kg
92-52-4	1,1-Biphenyl	1600		23.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	1700		24.0	180	ug/Kg
88-74-4	2-Nitroaniline	1900		51.3	180	ug/Kg
131-11-3	Dimethylphthalate	1700		28.9	180	ug/Kg

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024551.D	1	05/06/25 09:25	05/06/25 17:48	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		30.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		35.8	180	ug/Kg
99-09-2	3-Nitroaniline	1700		49.1	180	ug/Kg
83-32-9	Acenaphthene	1600		22.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	240	350	ug/Kg
100-02-7	4-Nitrophenol	3600	E	110	350	ug/Kg
132-64-9	Dibenzofuran	1600		24.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		53.4	180	ug/Kg
84-66-2	Diethylphthalate	1700		30.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		28.5	180	ug/Kg
86-73-7	Fluorene	1700		27.0	180	ug/Kg
100-01-6	4-Nitroaniline	1700		68.5	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		35.1	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		29.7	180	ug/Kg
118-74-1	Hexachlorobenzene	1900		27.0	180	ug/Kg
1912-24-9	Atrazine	2400		36.3	180	ug/Kg
87-86-5	Pentachlorophenol	3600	E	54.7	350	ug/Kg
85-01-8	Phenanthrene	1700		22.3	180	ug/Kg
120-12-7	Anthracene	1800		35.5	180	ug/Kg
86-74-8	Carbazole	1700		33.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		51.1	180	ug/Kg
206-44-0	Fluoranthene	1700		32.0	180	ug/Kg
129-00-0	Pyrene	1700		38.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		76.2	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		39.1	350	ug/Kg
56-55-3	Benzo(a)anthracene	1700		24.5	180	ug/Kg
218-01-9	Chrysene	1600		21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		63.1	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		92.6	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		20.3	180	ug/Kg

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024551.D	1	05/06/25 09:25	05/06/25 17:48	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		23.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	1800		31.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		31.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		29.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		27.4	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		27.3	180	ug/Kg
123-91-1	1,4-Dioxane	1400		48.2	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		29.2	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	110		18 - 112	73%	SPK: 150
13127-88-3	Phenol-d6	104		15 - 107	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.1		18 - 107	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.2		20 - 109	69%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		10 - 116	88%	SPK: 150
1718-51-0	Terphenyl-d14	70.9		10 - 105	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	163000	7.704			
1146-65-2	Naphthalene-d8	676000	10.475			
15067-26-2	Acenaphthene-d10	432000	14.339			
1517-22-2	Phenanthrene-d10	849000	17.133			
1719-03-5	Chrysene-d12	868000	21.586			
1520-96-3	Perylene-d12	1020000	24.921			

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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024552.D	1	05/06/25 09:25	05/06/25 18:29	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	1100		170	350	ug/Kg
108-95-2	Phenol	1600		23.6	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		25.9	180	ug/Kg
95-57-8	2-Chlorophenol	1700		26.1	180	ug/Kg
95-48-7	2-Methylphenol	1700		31.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		40.0	180	ug/Kg
98-86-2	Acetophenone	1600		31.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	1700		43.9	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		50.6	85.4	ug/Kg
67-72-1	Hexachloroethane	1600		18.8	180	ug/Kg
98-95-3	Nitrobenzene	1600		19.5	180	ug/Kg
78-59-1	Isophorone	1600		35.0	180	ug/Kg
88-75-5	2-Nitrophenol	1700		62.1	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		69.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		32.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		30.2	180	ug/Kg
91-20-3	Naphthalene	1500		24.2	180	ug/Kg
106-47-8	4-Chloroaniline	900		37.8	180	ug/Kg
87-68-3	Hexachlorobutadiene	1800		27.0	180	ug/Kg
105-60-2	Caprolactam	1700		55.6	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		30.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	1400		27.3	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4900	E	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		21.1	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		31.1	180	ug/Kg
92-52-4	1,1-Biphenyl	1600		23.3	180	ug/Kg
91-58-7	2-Chloronaphthalene	1600		24.0	180	ug/Kg
88-74-4	2-Nitroaniline	1900		51.4	180	ug/Kg
131-11-3	Dimethylphthalate	1600		28.9	180	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024552.D	1	05/06/25 09:25	05/06/25 18:29	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1700		30.9	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		35.9	180	ug/Kg
99-09-2	3-Nitroaniline	1600		49.1	180	ug/Kg
83-32-9	Acenaphthene	1600		22.7	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	240	350	ug/Kg
100-02-7	4-Nitrophenol	3500	E	110	350	ug/Kg
132-64-9	Dibenzofuran	1500		24.2	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		53.5	180	ug/Kg
84-66-2	Diethylphthalate	1600		30.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		28.5	180	ug/Kg
86-73-7	Fluorene	1600		27.0	180	ug/Kg
100-01-6	4-Nitroaniline	1700		68.5	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		35.1	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		29.7	180	ug/Kg
118-74-1	Hexachlorobenzene	1800		27.0	180	ug/Kg
1912-24-9	Atrazine	2300		36.3	180	ug/Kg
87-86-5	Pentachlorophenol	3500	E	54.8	350	ug/Kg
85-01-8	Phenanthrene	1600		22.3	180	ug/Kg
120-12-7	Anthracene	1700		35.6	180	ug/Kg
86-74-8	Carbazole	1700		33.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	1700		51.1	180	ug/Kg
206-44-0	Fluoranthene	1600		32.0	180	ug/Kg
129-00-0	Pyrene	1600		38.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	1700		76.2	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		39.2	350	ug/Kg
56-55-3	Benzo(a)anthracene	1700		24.6	180	ug/Kg
218-01-9	Chrysene	1600		21.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		63.2	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		92.7	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		20.3	180	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.5
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024552.D	1	05/06/25 09:25	05/06/25 18:29	PB167879

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1600		23.9	180	ug/Kg
50-32-8	Benzo(a)pyrene	1800		31.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		31.1	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		29.3	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		27.4	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		27.3	180	ug/Kg
123-91-1	1,4-Dioxane	1300		48.3	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		29.3	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	105		18 - 112	70%	SPK: 150
13127-88-3	Phenol-d6	99.7		15 - 107	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.9		18 - 107	70%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.1		20 - 109	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	125		10 - 116	84%	SPK: 150
1718-51-0	Terphenyl-d14	65.0		10 - 105	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	159000	7.705			
1146-65-2	Naphthalene-d8	650000	10.475			
15067-26-2	Acenaphthene-d10	418000	14.34			
1517-22-2	Phenanthrene-d10	822000	17.134			
1719-03-5	Chrysene-d12	923000	21.586			
1520-96-3	Perylene-d12	1090000	24.916			

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

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM0500
31.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.506	0.464	0.478	0.511	0.504	0.491	0.473	0.490	3.75
3)		Pyridine		1.201	1.166	1.229	1.331	1.328	1.292	1.261	1.258	5.03
4)		n-Nitrosodimet...		0.487	0.459	0.475	0.522	0.518	0.504	0.490	0.493	4.62
5)	S	2-Fluorophenol		1.074	1.079	1.107	1.208	1.211	1.173	1.142	1.142	5.04
6)		Aniline		1.657	1.689	1.768	1.942	1.922	1.875	1.835	1.813	6.16
7)	S	Phenol-d6		1.290	1.318	1.398	1.543	1.537	1.494	1.469	1.436	7.13
8)		2-Chlorophenol		1.169	1.161	1.198	1.312	1.301	1.268	1.235	1.235	4.96
9)		Benzaldehyde		0.940	0.920	0.971	1.031	1.013	0.956	0.894	0.961	5.08
10)	C	Phenol		1.349	1.344	1.420	1.539	1.537	1.501	1.483	1.453	5.73
11)		bis(2-Chloroet...		1.213	1.105	1.176	1.279	1.271	1.233	1.218	1.213	4.90
12)		1,3-Dichlorobe...		1.483	1.428	1.453	1.566	1.552	1.508	1.453	1.492	3.51
13)	C	1,4-Dichlorobe...		1.518	1.418	1.463	1.561	1.557	1.516	1.458	1.499	3.60
14)		1,2-Dichlorobe...		1.420	1.393	1.423	1.522	1.506	1.464	1.405	1.448	3.50
15)		Benzyl Alcohol		0.866	0.881	0.966	1.080	1.074	1.050	1.050	0.996	9.16
16)		2,2'-oxybis(1-...		1.487	1.422	1.445	1.552	1.513	1.473	1.433	1.475	3.17
17)		2-Methylphenol		0.857	0.893	0.931	1.033	1.026	0.988	0.975	0.957	6.96
18)		Hexachloroethane		0.552	0.508	0.521	0.556	0.548	0.533	0.510	0.533	3.79
19)	P	n-Nitroso-di-n...	0.802	0.889	0.885	0.921	1.003	0.988	0.949	0.928	0.921	6.95
20)		3+4-Methylphenols		1.137	1.170	1.267	1.393	1.392	1.349	1.341	1.293	8.09
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.483	0.464	0.485	0.531	0.525	0.506	0.487	0.497	4.94
23)	S	Nitrobenzene-d5		0.386	0.374	0.397	0.434	0.433	0.417	0.400	0.406	5.68
24)		Nitrobenzene		0.337	0.325	0.345	0.374	0.372	0.358	0.346	0.351	5.16
25)		Isophorone		0.666	0.648	0.680	0.729	0.729	0.704	0.687	0.692	4.44
26)	C	2-Nitrophenol		0.148	0.157	0.172	0.196	0.198	0.192	0.191	0.179	11.33
27)		2,4-Dimethylph...		0.263	0.266	0.289	0.324	0.322	0.312	0.305	0.297	8.42
28)		bis(2-Chloroet...		0.407	0.399	0.422	0.455	0.452	0.434	0.425	0.428	4.92
29)	C	2,4-Dichloroph...		0.294	0.298	0.326	0.362	0.359	0.351	0.342	0.333	8.47
30)		1,2,4-Trichlor...		0.400	0.384	0.394	0.427	0.426	0.412	0.399	0.406	4.02
31)		Naphthalene		1.001	0.959	0.993	1.066	1.057	1.023	0.989	1.013	3.80
32)		Benzoic acid			0.138	0.172	0.197	0.206	0.212	0.215	0.190	15.67
33)		4-Chloroaniline		0.361	0.393	0.404	0.441	0.448	0.437	0.423	0.415	7.51
34)	C	Hexachlorobuta...		0.253	0.240	0.249	0.270	0.270	0.263	0.258	0.258	4.34
35)		Caprolactam		0.090	0.085	0.095	0.104	0.104	0.102	0.100	0.097	7.73
36)	C	4-Chloro-3-met...		0.289	0.283	0.302	0.325	0.329	0.317	0.309	0.308	5.72
37)		2-Methylnaphth...		0.656	0.639	0.662	0.713	0.714	0.692	0.678	0.679	4.22
38)		1-Methylnaphth...		0.703	0.675	0.708	0.753	0.751	0.731	0.710	0.719	3.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.624	0.622	0.655	0.742	0.745	0.725	0.733	0.692	8.17
41)	P	Hexachlorocycl...		0.303	0.362	0.455	0.468	0.467	0.483	0.423	17.30
42)	S	2,4,6-Tribromo...	0.253	0.249	0.281	0.318	0.329	0.318	0.323	0.296	11.61
43)	C	2,4,6-Trichlor...	0.372	0.381	0.423	0.476	0.485	0.467	0.469	0.439	10.76
44)		2,4,5-Trichlor...	0.410	0.417	0.453	0.517	0.519	0.501	0.497	0.474	9.83
45)	S	2-Fluorobiphenyl	1.588	1.555	1.632	1.807	1.822	1.744	1.688	1.691	6.21
46)		1,1'-Biphenyl	1.427	1.395	1.452	1.573	1.581	1.507	1.473	1.487	4.77
47)		2-Chloronaphth...	1.126	1.112	1.155	1.250	1.248	1.192	1.158	1.177	4.69
48)		2-Nitroaniline	0.238	0.242	0.269	0.302	0.304	0.294	0.286	0.276	9.96
49)		Acenaphthylene	1.794	1.715	1.810	1.972	1.971	1.889	1.845	1.857	5.10
50)		Dimethylphthalate	1.444	1.377	1.437	1.532	1.543	1.470	1.429	1.462	4.02
51)		2,6-Dinitrotol...	0.266	0.271	0.299	0.327	0.331	0.316	0.309	0.303	8.50
52)	C	Acenaphthene	1.038	0.998	1.046	1.133	1.145	1.094	1.067	1.075	4.93
53)		3-Nitroaniline	0.233	0.247	0.284	0.321	0.325	0.311	0.302	0.289	12.47
54)	P	2,4-Dinitrophenol		0.100	0.132	0.178	0.194	0.188	0.191	0.164	23.65
55)		Dibenzofuran	1.749	1.681	1.749	1.876	1.888	1.810	1.763	1.788	4.17
56)	P	4-Nitrophenol		0.128	0.180	0.224	0.237	0.231	0.231	0.205	20.96
57)		2,4-Dinitrotol...	0.338	0.366	0.412	0.456	0.468	0.447	0.440	0.418	11.72
58)		Fluorene	1.387	1.343	1.431	1.558	1.573	1.500	1.453	1.463	5.84
59)		2,3,4,6-Tetrac...	0.366	0.362	0.398	0.435	0.445	0.432	0.431	0.410	8.44
60)		Diethylphthalate	1.372	1.301	1.380	1.433	1.451	1.376	1.328	1.377	3.86
61)		4-Chlorophenyl...	0.741	0.716	0.770	0.857	0.871	0.836	0.836	0.804	7.58
62)		4-Nitroaniline	0.208	0.234	0.277	0.313	0.321	0.301	0.295	0.279	15.17
63)		Azobenzene	1.118	1.091	1.150	1.216	1.229	1.165	1.110	1.154	4.59
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.088	0.110	0.135	0.142	0.138	0.137	0.125	17.16
66)	c	n-Nitrosodiphe...	0.580	0.572	0.596	0.655	0.657	0.629	0.610	0.614	5.56
67)		4-Bromophenyl-...	0.223	0.216	0.229	0.258	0.258	0.256	0.253	0.242	7.60
68)		Hexachlorobenzene	0.265	0.251	0.264	0.294	0.295	0.291	0.291	0.279	6.49
69)		Atrazine	0.196	0.198	0.214	0.236	0.242	0.234	0.230	0.222	8.47
70)	C	Pentachlorophenol		0.117	0.141	0.167	0.172	0.170	0.174	0.157	14.52
71)		Phenanthrene	1.075	1.035	1.083	1.187	1.212	1.173	1.132	1.128	5.84
72)		Anthracene	1.062	1.038	1.096	1.214	1.236	1.191	1.154	1.142	6.78
73)		Carbazole	0.909	0.900	0.960	1.054	1.075	1.038	0.999	0.991	7.05
74)		Di-n-butylphth...	1.106	1.082	1.151	1.246	1.277	1.231	1.165	1.180	6.25
75)	C	Fluoranthene	1.178	1.142	1.250	1.410	1.455	1.425	1.411	1.324	9.86
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.560	0.646	0.772	0.769	0.765	0.751	0.710	12.36
78)		Pyrene	1.290	1.255	1.332	1.518	1.520	1.465	1.453	1.404	7.83
79)	S	Terphenyl-d14	1.176	1.189	1.332	1.524	1.541	1.458	1.239	1.352	11.58
80)		Butylbenzylpht...	0.489	0.479	0.515	0.562	0.568	0.545	0.524	0.526	6.53
81)		Benzo(a)anthra...	1.280	1.231	1.321	1.478	1.479	1.442	1.408	1.377	7.24
82)		3,3'-Dichlorob...	0.434	0.432	0.483	0.580	0.597	0.583	0.581	0.527	14.14
83)		Chrysene	1.208	1.170	1.214	1.342	1.369	1.325	1.296	1.275	6.03
84)		Bis(2-ethylhex...	0.726	0.725	0.775	0.843	0.852	0.814	0.765	0.786	6.61
85)	c	Di-n-octyl pht...	1.221	1.197	1.267	1.366	1.404	1.341	1.275	1.296	5.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.301	1.293	1.404	1.602	1.646	1.591	1.595	1.490	10.27
88)		Benzo(b)fluora...	1.128	1.149	1.209	1.406	1.415	1.408	1.390	1.301	10.16
89)		Benzo(k)fluora...	1.219	1.150	1.251	1.387	1.449	1.383	1.372	1.316	8.29
90)	C	Benzo(a)pyrene	1.094	1.066	1.147	1.295	1.330	1.298	1.297	1.218	9.15
91)		Dibenzo(a,h)an...	1.056	1.044	1.142	1.300	1.347	1.305	1.310	1.215	10.72
92)		Benzo(g,h,i)pe...	1.066	1.030	1.105	1.236	1.268	1.224	1.212	1.163	8.07

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024275.D 5 =BP024276.D 10 =BP024277.D 20 =BP024278.D 40 =BP024279.D 50 =BP024280.D 60 =BP024281.D 80 =BP0242
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.490	0.477	0.512	6.10
3)		Pyridine		1.265	1.280	1.422	1.396	1.333	1.383	1.378	1.351	4.43
4)		n-Nitrosodimet...		0.424	0.443	0.469	0.457	0.442	0.460	0.444	0.448	3.29
5)	S	2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.277	1.196	1.210	4.93
6)		Aniline		1.439	1.487	1.636	1.587	1.403	1.428	1.380	1.480	6.52
7)	S	Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.769	1.647	1.656	6.75
8)		2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.400	1.328	1.350	4.30
9)		Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.726	0.621	0.819	15.70
10)	C	Phenol		1.475	1.565	1.720	1.750	1.698	1.779	1.643	1.661	6.54
11)		bis(2-Chloroet...		1.278	1.317	1.399	1.398	1.321	1.358	1.300	1.339	3.56
12)		1,3-Dichlorobe...		1.464	1.486	1.534	1.486	1.402	1.433	1.373	1.454	3.79
13)	C	1,4-Dichlorobe...		1.496	1.489	1.550	1.494	1.436	1.463	1.399	1.475	3.28
14)		1,2-Dichlorobe...		1.472	1.441	1.502	1.445	1.362	1.411	1.339	1.424	4.10
15)		Benzyl Alcohol		0.857	0.935	1.106	1.158	1.142	1.178	1.122	1.071	11.58
16)		2,2'-oxybis(1-...		1.452	1.496	1.517	1.514	1.405	1.397	1.348	1.447	4.54
17)		2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.150	1.087	1.075	7.97
18)		Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	0.510	0.533	2.88
19)	P	n-Nitroso-di-n...	0.941	1.008	1.008	1.088	1.084	1.041	1.038	0.989	1.025	4.76
20)		3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.607	1.525	1.491	9.57
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	0.483	0.495	3.85
23)	S	Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.356	0.347	0.351	4.76
24)		Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.353	0.340	0.347	3.96
25)		Isophorone		0.575	0.601	0.653	0.673	0.650	0.654	0.639	0.635	5.41
26)	C	2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.191	0.186	0.170	13.97
27)		2,4-Dimethylph...		0.180	0.194	0.219	0.226	0.225	0.228	0.221	0.213	8.81
28)		bis(2-Chloroet...		0.412	0.426	0.444	0.452	0.430	0.425	0.412	0.429	3.51
29)	C	2,4-Dichloroph...		0.242	0.268	0.297	0.308	0.307	0.311	0.302	0.291	8.94
30)		1,2,4-Trichlor...		0.308	0.305	0.318	0.321	0.309	0.315	0.306	0.311	2.00
31)		Naphthalene		1.044	1.054	1.091	1.079	1.037	1.048	1.023	1.054	2.27
32)		Benzoic acid			0.185	0.226	0.242	0.270	0.285	0.282	0.248	15.56
33)		4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.379	0.378	0.371	6.46
34)	C	Hexachlorobuta...		0.181	0.181	0.186	0.189	0.181	0.182	0.182	0.183	1.62
35)		Caprolactam		0.085	0.092	0.111	0.112	0.115	0.121	0.115	0.107	12.53
36)	C	4-Chloro-3-met...		0.284	0.310	0.349	0.357	0.356	0.363	0.351	0.339	8.82
37)		2-Methylnaphth...		0.700	0.720	0.755	0.755	0.733	0.740	0.712	0.731	2.89
38)		1-Methylnaphth...		0.700	0.714	0.737	0.731	0.712	0.718	0.691	0.715	2.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.538	0.568	0.576	0.544	0.549	0.552	0.550	3.33
41)	P	Hexachlorocycl...	0.162	0.185	0.197	0.218	0.199	0.197	0.204	0.195	8.92
42)	S	2,4,6-Tribromo...	0.235	0.256	0.278	0.289	0.289	0.296	0.294	0.277	8.29
43)	C	2,4,6-Trichlor...	0.301	0.335	0.369	0.389	0.386	0.390	0.390	0.366	9.51
44)		2,4,5-Trichlor...	0.332	0.371	0.409	0.427	0.429	0.436	0.430	0.405	9.62
45)	S	2-Fluorobiphenyl	1.332	1.334	1.359	1.366	1.263	1.251	1.240	1.306	4.08
46)		1,1'-Biphenyl	1.454	1.489	1.528	1.529	1.434	1.428	1.429	1.470	3.07
47)		2-Chloronaphth...	1.063	1.100	1.135	1.139	1.085	1.090	1.078	1.099	2.60
48)		2-Nitroaniline	0.250	0.270	0.317	0.330	0.324	0.335	0.331	0.308	10.98
49)		Acenaphthylene	1.604	1.680	1.793	1.814	1.726	1.763	1.730	1.730	4.11
50)		Dimethylphthalate	1.429	1.416	1.495	1.495	1.460	1.460	1.426	1.454	2.22
51)		2,6-Dinitrotol...	0.264	0.290	0.319	0.325	0.319	0.328	0.317	0.309	7.58
52)	C	Acenaphthene	1.087	1.087	1.141	1.126	1.081	1.079	1.076	1.097	2.35
53)		3-Nitroaniline	0.250	0.289	0.338	0.354	0.342	0.340	0.358	0.325	12.25
54)	P	2,4-Dinitrophenol		0.125	0.163	0.186	0.196	0.210	0.211	0.182	18.22
55)		Dibenzofuran	1.801	1.807	1.871	1.833	1.746	1.768	1.723	1.793	2.84
56)	P	4-Nitrophenol	0.190	0.231	0.289	0.305	0.306	0.323	0.317	0.280	17.90
57)		2,4-Dinitrotol...	0.334	0.368	0.439	0.448	0.442	0.463	0.456	0.421	11.82
58)		Fluorene	1.376	1.397	1.454	1.398	1.368	1.366	1.356	1.388	2.40
59)		2,3,4,6-Tetrac...	0.327	0.351	0.380	0.389	0.387	0.390	0.389	0.373	6.57
60)		Diethylphthalate	1.451	1.484	1.528	1.550	1.499	1.499	1.481	1.499	2.16
61)		4-Chlorophenyl...	0.667	0.675	0.699	0.680	0.667	0.670	0.659	0.674	1.95
62)		4-Nitroaniline	0.263	0.300	0.353	0.369	0.364	0.380	0.376	0.344	12.99
63)		Azobenzene	1.269	1.383	1.446	1.431	1.385	1.385	1.344	1.378	4.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.118	0.131	0.134	0.140	0.138	0.126	13.50
66)	c	n-Nitrosodiphe...	0.567	0.585	0.616	0.630	0.591	0.608	0.580	0.597	3.71
67)		4-Bromophenyl-...	0.203	0.212	0.220	0.230	0.220	0.225	0.222	0.219	4.11
68)		Hexachlorobenzene	0.247	0.247	0.260	0.271	0.261	0.269	0.263	0.260	3.67
69)		Atrazine	0.176	0.167	0.134	0.121	0.162			0.152	15.57
70)	C	Pentachlorophenol	0.143	0.155	0.175	0.196	0.197	0.203	0.201	0.181	13.35
71)		Phenanthrene	1.098	1.086	1.117	1.127	1.070	1.082	1.058	1.091	2.27
72)		Anthracene	0.995	1.017	1.084	1.111	1.053	1.071	1.030	1.052	3.85
73)		Carbazole	0.968	0.998	1.060	1.084	1.014	1.037	1.031	1.027	3.78
74)		Di-n-butylphth...	1.147	1.230	1.253	1.398	1.310	1.338	1.284	1.280	6.30
75)	C	Fluoranthene	1.289	1.274	1.316	1.347	1.280	1.304	1.274	1.298	2.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.144	0.141	0.109	0.436	0.333	0.302	0.307	0.254	48.39
78)		Pyrene	1.192	1.236	1.345	1.305	1.294	1.305	1.219	1.271	4.38
79)	S	Terphenyl-d14	0.967	0.998	1.055	1.032	1.005	0.964	0.926	0.992	4.42
80)		Butylbenzylpht...	0.434	0.488	0.546	0.596	0.580	0.593	0.574	0.544	11.25
81)		Benzo(a)anthra...	1.195	1.214	1.292	1.293	1.234	1.253	1.221	1.243	3.08
82)		3,3'-Dichlorob...	0.345	0.383	0.431	0.486	0.463	0.485	0.460	0.436	12.30
83)		Chrysene	1.180	1.181	1.229	1.213	1.173	1.193	1.167	1.191	1.88
84)		Bis(2-ethylhex...	0.639	0.735	0.779	0.893	0.853	0.867	0.819	0.798	11.09
85)	c	Di-n-octyl pht...	0.945	1.093	1.222	1.461	1.430	1.486	1.446	1.297	16.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.252	1.304	1.407	1.444	1.401	1.445	1.466	1.388	5.77
88)		Benzo(b)fluora...	1.130	1.174	1.217	1.258	1.196	1.205	1.212	1.199	3.30
89)		Benzo(k)fluora...	1.088	1.131	1.217	1.212	1.154	1.166	1.138	1.158	3.94
90)	C	Benzo(a)pyrene	0.939	0.971	1.057	1.091	1.053	1.070	1.058	1.034	5.44
91)		Dibenzo(a,h)an...	1.046	1.089	1.172	1.203	1.169	1.186	1.202	1.152	5.28
92)		Benzo(g,h,i)pe...	1.073	1.110	1.198	1.218	1.180	1.209	1.224	1.173	4.99

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: BNA_M Calibration Date/Time: 05/07/2025 09:56

Lab File ID: BM050129.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.113		-2.5	
Benzaldehyde	0.961	0.911		-5.2	
Phenol-d6	1.436	1.401		-2.4	
Phenol	1.453	1.425		-1.9	20.0
bis(2-Chloroethyl)ether	1.214	1.149		-5.4	
2-Chlorophenol	1.235	1.194		-3.3	
2-Methylphenol	0.957	0.941		-1.7	
2,2-oxybis(1-Chloropropane)	1.475	1.451		-1.6	
Acetophenone	0.497	0.472		-5.0	
3+4-Methylphenols	1.293	1.266		-2.1	
n-Nitroso-di-n-propylamine	0.921	0.900	0.050	-2.3	
Nitrobenzene-d5	0.406	0.388		-4.4	
Hexachloroethane	0.533	0.501		-6.0	
Nitrobenzene	0.351	0.337		-4.0	
Isophorone	0.692	0.664		-4.0	
2-Nitrophenol	0.179	0.179		0.0	20.0
2,4-Dimethylphenol	0.297	0.291		-2.0	
bis(2-Chloroethoxy)methane	0.428	0.407		-4.9	
2,4-Dichlorophenol	0.333	0.323		-3.0	20.0
Naphthalene	1.013	0.949		-6.3	
4-Chloroaniline	0.415	0.401		-3.4	
Hexachlorobutadiene	0.258	0.239		-7.4	20.0
Caprolactam	0.097	0.094		-3.1	
4-Chloro-3-methylphenol	0.308	0.294		-4.5	20.0
2-Methylnaphthalene	0.679	0.636		-6.3	
Hexachlorocyclopentadiene	0.423	0.361	0.050	-14.7	
2,4,6-Trichlorophenol	0.439	0.428		-2.5	20.0
2-Fluorobiphenyl	1.691	1.612		-4.7	
2,4,5-Trichlorophenol	0.474	0.464		-2.1	
1,1-Biphenyl	1.487	1.400		-5.9	
2-Chloronaphthalene	1.177	1.109		-5.8	
2-Nitroaniline	0.276	0.279		1.1	
Dimethylphthalate	1.462	1.370		-6.3	
Acenaphthylene	1.857	1.752		-5.7	
2,6-Dinitrotoluene	0.303	0.297		-2.0	
3-Nitroaniline	0.289	0.290		0.3	
Acenaphthene	1.075	1.006		-6.4	20.0
2,4-Dinitrophenol	0.164	0.160	0.050	-2.4	
4-Nitrophenol	0.205	0.189	0.050	-7.8	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: BNA_M Calibration Date/Time: 05/07/2025 09:56

Lab File ID: BM050129.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.674		-6.4	
2,4-Dinitrotoluene	0.418	0.415		-0.7	
Diethylphthalate	1.377	1.278		-7.2	
4-Chlorophenyl-phenylether	0.804	0.755		-6.1	
Fluorene	1.463	1.378		-5.8	
4-Nitroaniline	0.279	0.284		1.8	
4,6-Dinitro-2-methylphenol	0.125	0.121		-3.2	
n-Nitrosodiphenylamine	0.614	0.583		-5.0	20.0
2,4,6-Tribromophenol	0.296	0.285		-3.7	
4-Bromophenyl-phenylether	0.242	0.230		-5.0	
Hexachlorobenzene	0.279	0.263		-5.7	
Atrazine	0.222	0.211		-5.0	
Pentachlorophenol	0.157	0.144		-8.3	20.0
Phenanthrene	1.128	1.052		-6.7	
Anthracene	1.142	1.076		-5.8	
Carbazole	0.991	0.951		-4.0	
Di-n-butylphthalate	1.180	1.112		-5.8	
Fluoranthene	1.324	1.258		-5.0	20.0
Pyrene	1.404	1.381		-1.6	
Terphenyl-d14	1.352	1.351		-0.1	
Butylbenzylphthalate	0.526	0.517		-1.7	
3,3-Dichlorobenzidine	0.527	0.511		-3.0	
Benzo(a)anthracene	1.377	1.299		-5.7	
Chrysene	1.275	1.183		-7.2	
Bis(2-ethylhexyl)phthalate	0.786	0.740		-5.9	
Di-n-octyl phthalate	1.296	1.213		-6.4	20.0
Benzo(b)fluoranthene	1.301	1.180		-9.3	
Benzo(k)fluoranthene	1.316	1.208		-8.2	
Benzo(a)pyrene	1.218	1.131		-7.1	20.0
Indeno(1,2,3-cd)pyrene	1.490	1.413		-5.2	
Dibenzo(a,h)anthracene	1.215	1.160		-4.5	
Benzo(g,h,i)perylene	1.163	1.102		-5.2	
1,2,4,5-Tetrachlorobenzene	0.692	0.657		-5.1	
1,4-Dioxane	0.490	0.461		-5.9	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.388		-5.4	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: BNA_M Calibration Date/Time: 05/08/2025 10:41

Lab File ID: BM050140.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.109		-2.9	
Benzaldehyde	0.961	0.933		-2.9	
Phenol-d6	1.436	1.425		-0.8	
Phenol	1.453	1.439		-1.0	20.0
bis(2-Chloroethyl)ether	1.214	1.166		-4.0	
2-Chlorophenol	1.235	1.198		-3.0	
2-Methylphenol	0.957	0.937		-2.1	
2,2-oxybis(1-Chloropropane)	1.475	1.453		-1.5	
Acetophenone	0.497	0.474		-4.6	
3+4-Methylphenols	1.293	1.279		-1.1	
n-Nitroso-di-n-propylamine	0.921	0.911	0.050	-1.1	
Nitrobenzene-d5	0.406	0.390		-3.9	
Hexachloroethane	0.533	0.500		-6.2	
Nitrobenzene	0.351	0.337		-4.0	
Isophorone	0.692	0.663		-4.2	
2-Nitrophenol	0.179	0.183		2.2	20.0
2,4-Dimethylphenol	0.297	0.293		-1.3	
bis(2-Chloroethoxy)methane	0.428	0.411		-4.0	
2,4-Dichlorophenol	0.333	0.322		-3.3	20.0
Naphthalene	1.013	0.949		-6.3	
4-Chloroaniline	0.415	0.399		-3.9	
Hexachlorobutadiene	0.258	0.244		-5.4	20.0
Caprolactam	0.097	0.090		-7.2	
4-Chloro-3-methylphenol	0.308	0.293		-4.9	20.0
2-Methylnaphthalene	0.679	0.643		-5.3	
Hexachlorocyclopentadiene	0.423	0.394	0.050	-6.9	
2,4,6-Trichlorophenol	0.439	0.444		1.1	20.0
2-Fluorobiphenyl	1.691	1.640		-3.0	
2,4,5-Trichlorophenol	0.474	0.470		-0.8	
1,1-Biphenyl	1.487	1.422		-4.4	
2-Chloronaphthalene	1.177	1.124		-4.5	
2-Nitroaniline	0.276	0.277		0.4	
Dimethylphthalate	1.462	1.353		-7.5	
Acenaphthylene	1.857	1.762		-5.1	
2,6-Dinitrotoluene	0.303	0.293		-3.3	
3-Nitroaniline	0.289	0.282		-2.4	
Acenaphthene	1.075	1.012		-5.9	20.0
2,4-Dinitrophenol	0.164	0.155	0.050	-5.5	
4-Nitrophenol	0.205	0.181	0.050	-11.7	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: BNA_M Calibration Date/Time: 05/08/2025 10:41

Lab File ID: BM050140.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.680		-6.0	
2,4-Dinitrotoluene	0.418	0.409		-2.2	
Diethylphthalate	1.377	1.253		-9.0	
4-Chlorophenyl-phenylether	0.804	0.768		-4.5	
Fluorene	1.463	1.365		-6.7	
4-Nitroaniline	0.279	0.246		-11.8	
4,6-Dinitro-2-methylphenol	0.125	0.121		-3.2	
n-Nitrosodiphenylamine	0.614	0.603		-1.8	20.0
2,4,6-Tribromophenol	0.296	0.286		-3.4	
4-Bromophenyl-phenylether	0.242	0.240		-0.8	
Hexachlorobenzene	0.279	0.271		-2.9	
Atrazine	0.222	0.212		-4.5	
Pentachlorophenol	0.157	0.148		-5.7	20.0
Phenanthrene	1.128	1.059		-6.1	
Anthracene	1.142	1.078		-5.6	
Carbazole	0.991	0.919		-7.3	
Di-n-butylphthalate	1.180	1.082		-8.3	
Fluoranthene	1.324	1.185		-10.5	20.0
Pyrene	1.404	1.584		12.8	
Terphenyl-d14	1.352	1.555		15.0	
Butylbenzylphthalate	0.526	0.538		2.3	
3,3-Dichlorobenzidine	0.527	0.482		-8.5	
Benzo(a)anthracene	1.377	1.314		-4.6	
Chrysene	1.275	1.201		-5.8	
Bis(2-ethylhexyl)phthalate	0.786	0.738		-6.1	
Di-n-octyl phthalate	1.296	1.114		-14.0	20.0
Benzo(b)fluoranthene	1.301	1.242		-4.5	
Benzo(k)fluoranthene	1.316	1.279		-2.8	
Benzo(a)pyrene	1.218	1.160		-4.8	20.0
Indeno(1,2,3-cd)pyrene	1.490	1.414		-5.1	
Dibenzo(a,h)anthracene	1.215	1.154		-5.0	
Benzo(g,h,i)perylene	1.163	1.097		-5.7	
1,2,4,5-Tetrachlorobenzene	0.692	0.686		-0.9	
1,4-Dioxane	0.490	0.453		-7.6	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.385		-6.1	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: BNA_P Calibration Date/Time: 05/06/2025 10:17

Lab File ID: BP024540.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.169		-3.4	
Benzaldehyde	0.819	0.804		-1.8	
Phenol-d6	1.656	1.490		-10.0	
Phenol	1.661	1.459		-12.2	20.0
bis(2-Chloroethyl)ether	1.339	1.163		-13.1	
2-Chlorophenol	1.350	1.270		-5.9	
2-Methylphenol	1.075	0.995		-7.4	
2,2-oxybis(1-Chloropropane)	1.447	1.254		-13.3	
Acetophenone	0.495	0.472		-4.6	
3+4-Methylphenols	1.491	1.350		-9.5	
n-Nitroso-di-n-propylamine	1.025	0.887	0.050	-13.5	
Nitrobenzene-d5	0.351	0.343		-2.3	
Hexachloroethane	0.533	0.521		-2.3	
Nitrobenzene	0.347	0.336		-3.2	
Isophorone	0.635	0.588		-7.4	
2-Nitrophenol	0.170	0.180		5.9	20.0
2,4-Dimethylphenol	0.213	0.205		-3.8	
bis(2-Chloroethoxy)methane	0.429	0.380		-11.4	
2,4-Dichlorophenol	0.291	0.296		1.7	20.0
Naphthalene	1.054	1.015		-3.7	
4-Chloroaniline	0.371	0.348		-6.2	
Hexachlorobutadiene	0.183	0.197		7.7	20.0
Caprolactam	0.107	0.101		-5.6	
4-Chloro-3-methylphenol	0.339	0.336		-0.9	20.0
2-Methylnaphthalene	0.731	0.692		-5.3	
Hexachlorocyclopentadiene	0.195	0.199	0.050	2.1	
2,4,6-Trichlorophenol	0.366	0.383		4.6	20.0
2-Fluorobiphenyl	1.306	1.299		-0.5	
2,4,5-Trichlorophenol	0.405	0.422		4.2	
1,1-Biphenyl	1.470	1.445		-1.7	
2-Chloronaphthalene	1.099	1.091		-0.7	
2-Nitroaniline	0.308	0.322		4.5	
Dimethylphthalate	1.454	1.395		-4.1	
Acenaphthylene	1.730	1.668		-3.6	
2,6-Dinitrotoluene	0.309	0.312		1.0	
3-Nitroaniline	0.325	0.310		-4.6	
Acenaphthene	1.097	1.042		-5.0	20.0
2,4-Dinitrophenol	0.182	0.178	0.050	-2.2	
4-Nitrophenol	0.280	0.244	0.050	-12.9	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: BNA_P Calibration Date/Time: 05/06/2025 10:17

Lab File ID: BP024540.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.793	1.687		-5.9	
2,4-Dinitrotoluene	0.421	0.437		3.8	
Diethylphthalate	1.499	1.467		-2.1	
4-Chlorophenyl-phenylether	0.674	0.672		-0.3	
Fluorene	1.388	1.348		-2.9	
4-Nitroaniline	0.344	0.336		-2.3	
4,6-Dinitro-2-methylphenol	0.126	0.125		-0.8	
n-Nitrosodiphenylamine	0.597	0.575		-3.7	20.0
2,4,6-Tribromophenol	0.277	0.315		13.7	
4-Bromophenyl-phenylether	0.219	0.228		4.1	
Hexachlorobenzene	0.260	0.277		6.5	
Atrazine	0.152	0.140		-7.9	
Pentachlorophenol	0.181	0.191		5.5	20.0
Phenanthrene	1.091	1.036		-5.0	
Anthracene	1.052	1.032		-1.9	
Carbazole	1.027	0.997		-2.9	
Di-n-butylphthalate	1.280	1.303		1.8	
Fluoranthene	1.298	1.282		-1.2	20.0
Pyrene	1.271	1.167		-8.2	
Terphenyl-d14	0.992	0.978		-1.4	
Butylbenzylphthalate	0.544	0.545		0.2	
3,3-Dichlorobenzidine	0.436	0.430		-1.4	
Benzo(a)anthracene	1.243	1.199		-3.5	
Chrysene	1.191	1.148		-3.6	
Bis(2-ethylhexyl)phthalate	0.798	0.796		-0.3	
Di-n-octyl phthalate	1.297	1.373		5.9	20.0
Benzo(b)fluoranthene	1.199	1.159		-3.3	
Benzo(k)fluoranthene	1.158	1.069		-7.7	
Benzo(a)pyrene	1.034	1.002		-3.1	20.0
Indeno(1,2,3-cd)pyrene	1.388	1.369		-1.4	
Dibenzo(a,h)anthracene	1.152	1.123		-2.5	
Benzo(g,h,i)perylene	1.173	1.146		-2.3	
1,2,4,5-Tetrachlorobenzene	0.550	0.573		4.2	
1,4-Dioxane	0.512	0.475		-7.2	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.376		0.8	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			SVOC-TCL BNA -20	8270E		05/06/25	05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			SVOC-TCL BNA -20	8270E		05/06/25	05/06/25	
Q1956-05	**COMP1**	**TCLP**			**05/02/25**			**05/02/25**
			TCLP BNA	8270E		05/06/25	05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			SVOC-TCL BNA -20	8270E		05/06/25	05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			SVOC-TCL BNA -20	8270E		05/07/25	05/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956

Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PB167851TB	SDG No.:	Q1956
Lab Sample ID:	PB167851TB	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050144.D	1	05/06/25 11:13	05/08/25 13:18	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.0	100	ug/L
67-72-1	Hexachloroethane	50.0	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		10 - 139	94%	SPK: 150
13127-88-3	Phenol-d6	133		10 - 134	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.9		49 - 133	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.3		52 - 132	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	132		44 - 137	88%	SPK: 150
1718-51-0	Terphenyl-d14	96.1		48 - 125	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	269000	7.74			
1146-65-2	Naphthalene-d8	925000	10.539			
15067-26-2	Acenaphthene-d10	585000	14.392			
1517-22-2	Phenanthrene-d10	1070000	17.145			
1719-03-5	Chrysene-d12	901000	21.392			
1520-96-3	Perylene-d12	1000000	24.386			

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Report of Analysis

Client:	CDM Smith			Date Collected:	05/06/25
Project:	Bergen Point Fueling System			Date Received:	05/06/25
Client Sample ID:	PB167851TB			SDG No.:	Q1956
Lab Sample ID:	PB167851TB			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050144.D	1	05/06/25 11:13	05/08/25 13:18	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1	SDG No.:	Q1956
Lab Sample ID:	Q1956-05	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050123.D	1	05/06/25 11:13	05/06/25 17:18	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	50.0	U	12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	U	5.30	50.0	ug/L
95-48-7	2-Methylphenol	50.0	U	11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	100	U	11.0	100	ug/L
67-72-1	Hexachloroethane	50.0	U	6.50	50.0	ug/L
98-95-3	Nitrobenzene	50.0	U	7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	50.0	U	5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	50.0	U	5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0	U	6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	50.0	U	12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	50.0	U	5.20	50.0	ug/L
87-86-5	Pentachlorophenol	100	U	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	116		10 - 139	77%	SPK: 150
13127-88-3	Phenol-d6	102		10 - 134	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	77.9		49 - 133	78%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.9		52 - 132	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		44 - 137	91%	SPK: 150
1718-51-0	Terphenyl-d14	90.9		48 - 125	91%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	298000	7.745			
1146-65-2	Naphthalene-d8	1060000	10.539			
15067-26-2	Acenaphthene-d10	714000	14.392			
1517-22-2	Phenanthrene-d10	1390000	17.145			
1719-03-5	Chrysene-d12	1250000	21.386			
1520-96-3	Perylene-d12	1280000	24.38			

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Report of Analysis

Client:	CDM Smith			Date Collected:	05/02/25
Project:	Bergen Point Fueling System			Date Received:	05/02/25
Client Sample ID:	COMP1			SDG No.:	Q1956
Lab Sample ID:	Q1956-05			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050123.D	1	05/06/25 11:13	05/06/25 17:18	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Surrogate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167851TB	PB167851TB	2-Fluorophenol	150	140	94		10	139
		Phenol-d6	150	133	89		10	134
		Nitrobenzene-d5	100	82.9	83		49	133
		2-Fluorobiphenyl	100	83.3	83		52	132
		2,4,6-Tribromophenol	150	132	88		44	137
		Terphenyl-d14	100	96.1	96		48	125
PB167886BL	PB167886BL	2-Fluorophenol	150	136	91		10	139
		Phenol-d6	150	122	81		10	134
		Nitrobenzene-d5	100	87.8	88		49	133
		2-Fluorobiphenyl	100	88.4	88		52	132
		2,4,6-Tribromophenol	150	168	112		44	137
		Terphenyl-d14	100	102	102		48	125
PB167886BS	PB167886BS	2-Fluorophenol	150	139	92		10	139
		Phenol-d6	150	126	84		10	134
		Nitrobenzene-d5	100	87.5	87		49	133
		2-Fluorobiphenyl	100	90.6	91		52	132
		2,4,6-Tribromophenol	150	167	112		44	137
		Terphenyl-d14	100	106	106		48	125
Q1947-04MS	MH-PMS	2-Fluorophenol	150	123	82		10	139
		Phenol-d6	150	104	69		10	134
		Nitrobenzene-d5	100	89.0	89		49	133
		2-Fluorobiphenyl	100	84.7	85		52	132
		2,4,6-Tribromophenol	150	167	111		44	137
		Terphenyl-d14	100	92.0	92		48	125
Q1947-04MSD	MH-PMSD	2-Fluorophenol	150	117	78		10	139
		Phenol-d6	150	98.9	66		10	134
		Nitrobenzene-d5	100	85.2	85		49	133
		2-Fluorobiphenyl	100	82.8	83		52	132
		2,4,6-Tribromophenol	150	155	103		44	137
		Terphenyl-d14	100	87.5	88		48	125
Q1956-05	COMP1	2-Fluorophenol	150	116	77		10	139
		Phenol-d6	150	102	68		10	134
		Nitrobenzene-d5	100	77.9	78		49	133
		2-Fluorobiphenyl	100	74.9	75		52	132
		2,4,6-Tribromophenol	150	137	91		44	137
		Terphenyl-d14	100	90.9	91		48	125

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1947-04MS		**Client Sample ID: MH-PMS**						**DataFile: BP024564.D**			
Pyridine	500	0	330	ug/L	66				10	109	
1,4-Dichlorobenzene	500	0	410	ug/L	82				55	125	
2-Methylphenol	500	0	450	ug/L	90				60	131	
3+4-Methylphenols	500	0	430	ug/L	86				54	136	
Hexachloroethane	500	0	430	ug/L	86				19	146	
Nitrobenzene	500	0	450	ug/L	90				62	112	
Hexachlorobutadiene	500	0	490	ug/L	98				52	125	
2,4,6-Trichlorophenol	500	0	510	ug/L	102				78	112	
2,4,5-Trichlorophenol	500	0	500	ug/L	100				71	111	
2,4-Dinitrotoluene	500	0	560	ug/L	112				74	137	
Hexachlorobenzene	500	0	520	ug/L	104				72	115	
Pentachlorophenol	1000	0	1000	ug/L	100				52	162	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1947-04MSD		**Client Sample ID:** MH-PMSD						**DataFile:** BP024565.D			
Pyridine	500	0	320	ug/L	64	3			10	109	20
1,4-Dichlorobenzene	500	0	400	ug/L	80	2			55	125	20
2-Methylphenol	500	0	430	ug/L	86	5			60	131	20
3+4-Methylphenols	500	0	420	ug/L	84	2			54	136	20
Hexachloroethane	500	0	410	ug/L	82	5			19	146	20
Nitrobenzene	500	0	420	ug/L	84	7			62	112	20
Hexachlorobutadiene	500	0	470	ug/L	94	4			52	125	20
2,4,6-Trichlorophenol	500	0	480	ug/L	96	6			78	112	20
2,4,5-Trichlorophenol	500	0	480	ug/L	96	4			71	111	20
2,4-Dinitrotoluene	500	0	510	ug/L	102	9			74	137	20
Hexachlorobenzene	500	0	510	ug/L	102	2			72	115	20
Pentachlorophenol	1000	0	990	ug/L	99	1			52	162	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8270E **DataFile:** BP024560.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167886BS	Pyridine	50	32.7	ug/L	65				29	97	
	1,4-Dichlorobenzene	50	43.5	ug/L	87				76	103	
	2-Methylphenol	50	48.9	ug/L	98				69	109	
	3+4-Methylphenols	50	47.5	ug/L	95				67	106	
	Hexachloroethane	50	45.3	ug/L	91				76	118	
	Nitrobenzene	50	43.1	ug/L	86				58	106	
	Hexachlorobutadiene	50	49.6	ug/L	99				69	101	
	2,4,6-Trichlorophenol	50	50.9	ug/L	102				61	110	
	2,4,5-Trichlorophenol	50	50.5	ug/L	101				70	106	
	2,4-Dinitrotoluene	50	49.1	ug/L	98				60	115	
	Hexachlorobenzene	50	51.8	ug/L	104				73	106	
	Pentachlorophenol	100	98.3	ug/L	98				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167886BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BP024559.D Lab Sample ID: PB167886BL

Instrument ID: BNA_P Date Extracted: 05/06/2025

Matrix: (soil/water) water Date Analyzed: 05/07/2025

Level: (low/med) LOW Time Analyzed: 10:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167886BS	PB167886BS	BP024560.D	05/07/2025
MH-PMS	Q1947-04MS	BP024564.D	05/07/2025
MH-PMSD	Q1947-04MSD	BP024565.D	05/07/2025
COMP1	Q1956-05	BM050123.D	05/06/2025
PB167851TB	PB167851TB	BM050144.D	05/08/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BM050023.D DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_M DFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	14.4 (19.3) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050024.D	04/28/2025	12:30
SSTDICC005	SSTDICC005	BM050025.D	04/28/2025	13:09
SSTDICC010	SSTDICC010	BM050026.D	04/28/2025	13:48
SSTDICC020	SSTDICC020	BM050027.D	04/28/2025	14:27
SSTDICCC040	SSTDICCC040	BM050028.D	04/28/2025	15:06
SSTDICC050	SSTDICC050	BM050029.D	04/28/2025	15:45
SSTDICC060	SSTDICC060	BM050030.D	04/28/2025	16:24
SSTDICC080	SSTDICC080	BM050031.D	04/28/2025	17:04

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BM050111.D DFTPP Injection Date: 05/06/2025

Instrument ID: BNA_M DFTPP Injection Time: 09:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	28.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	15.2 (19.6) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050112.D	05/06/2025	10:03
COMP1	Q1956-05	BM050123.D	05/06/2025	17:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BM050139.D DFTPP Injection Date: 05/08/2025

Instrument ID: BNA_M DFTPP Injection Time: 09:59

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.7
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	25.8
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	33.5
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.3
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	16.8 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050140.D	05/08/2025	10:41
PB167851TB	PB167851TB	BM050144.D	05/08/2025	13:18

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BP024274.D DFTPP Injection Date: 04/14/2025

Instrument ID: BNA_P DFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100.0
443	15.0 - 24.0% of mass 442	19.2 (19.4) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024275.D	04/14/2025	11:06
SSTDICC005	SSTDICC005	BP024276.D	04/14/2025	11:47
SSTDICC010	SSTDICC010	BP024277.D	04/14/2025	12:27
SSTDICC020	SSTDICC020	BP024278.D	04/14/2025	13:08
SSTDICCC040	SSTDICCC040	BP024279.D	04/14/2025	13:49
SSTDICC050	SSTDICC050	BP024280.D	04/14/2025	15:10
SSTDICC060	SSTDICC060	BP024281.D	04/14/2025	16:32
SSTDICC080	SSTDICC080	BP024282.D	04/14/2025	17:13

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: BP024557.D DFTPP Injection Date: 05/07/2025

Instrument ID: BNA_P DFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	20.5
68	Less than 2.0% of mass 69	0.4 (1.9) 1
69	Mass 69 relative abundance	22.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP024558.D	05/07/2025	10:08
PB167886BL	PB167886BL	BP024559.D	05/07/2025	10:49
PB167886BS	PB167886BS	BP024560.D	05/07/2025	11:30
MH-PMS	Q1947-04MS	BP024564.D	05/07/2025	15:21
MH-PMSD	Q1947-04MSD	BP024565.D	05/07/2025	16:02

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/06/2025

Lab File ID: BM050112.D Time Analyzed: 10:03

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	267221	7.745	954129	10.53	616483	14.39
	UPPER LIMIT	534442	8.245	1908260	11.034	1232970	14.892
	LOWER LIMIT	133611	7.245	477065	10.034	308242	13.892
	EPA SAMPLE NO.						
01	COMP1	297554	7.75	1063090	10.54	714022	14.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/06/2025

Lab File ID: BM050112.D Time Analyzed: 10:03

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1203470	17.139	1155480	21.38	1141100	24.374
	UPPER LIMIT	2406940	17.639	2310960	21.88	2282200	24.874
	LOWER LIMIT	601735	16.639	577740	20.88	570550	23.874
	EPA SAMPLE NO.						
01	COMP1	1393020	17.15	1246440	21.39	1278300	24.38

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/08/2025

Lab File ID: BM050140.D Time Analyzed: 10:41

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	370324	7.74	1368860	10.53	879874	14.39
	UPPER LIMIT	740648	8.24	2737720	11.034	1759750	14.892
	LOWER LIMIT	185162	7.24	684430	10.034	439937	13.892
	EPA SAMPLE NO.						
01	PB167851TB	268901	7.74	924573	10.54	584707	14.39

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/08/2025

Lab File ID: BM050140.D Time Analyzed: 10:41

Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1654930	17.139	1237710	21.386	1026250	24.38
	UPPER LIMIT	3309860	17.639	2475420	21.886	2052500	24.88
	LOWER LIMIT	827465	16.639	618855	20.886	513125	23.88
	EPA SAMPLE NO.						
01	PB167851TB	1073030	17.15	900723	21.39	1000410	24.39

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BP024558.D Time Analyzed: 10:08

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	212497	7.699	880474	10.47	543552	14.33
	UPPER LIMIT	424994	8.199	1760950	10.969	1087100	14.834
	LOWER LIMIT	106249	7.199	440237	9.969	271776	13.834
	EPA SAMPLE NO.						
01	PB167886BL	192507	7.71	775898	10.48	496214	14.33
02	PB167886BS	202008	7.70	840936	10.48	544151	14.34
03	MH-PMS	137431	7.71	539851	10.47	350229	14.33
04	MH-PMSD	159677	7.71	629287	10.48	400886	14.34

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BP024558.D Time Analyzed: 10:08

Instrument ID: BNA_P GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1025820	17.133	907323	21.574	884811	24.892
	UPPER LIMIT	2051640	17.633	1814650	22.074	1769620	25.392
	LOWER LIMIT	512910	16.633	453662	21.074	442406	24.392
	EPA SAMPLE NO.						
01	PB167886BL	1032030	17.13	1025910	21.58	1036630	24.90
02	PB167886BS	1045550	17.15	997575	21.59	953298	24.90
03	MH-PMS	716225	17.13	833845	21.58	967952	24.92
04	MH-PMSD	782427	17.14	910356	21.58	1061180	24.90

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER 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

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Bergen Point Fueling System			Date Received:	
Client Sample ID:	PB167886BL			SDG No.:	Q1956
Lab Sample ID:	PB167886BL			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units: mL		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	TCLP BNA
Extraction Type :		Decanted : N		Level :	LOW
Injection Volume :		GPC Factor : 1.0		GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024559.D	1	05/06/25 11:13	05/07/25 10:49	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	5.00	U	1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.53	5.00	ug/L
95-48-7	2-Methylphenol	5.00	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	10.0	U	1.10	10.0	ug/L
67-72-1	Hexachloroethane	5.00	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	5.00	U	0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	5.00	U	0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	5.00	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	5.00	U	0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	5.00	U	1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	5.00	U	0.52	5.00	ug/L
87-86-5	Pentachlorophenol	10.0	U	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	136		10 - 139	91%	SPK: 150
13127-88-3	Phenol-d6	122		10 - 134	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.8		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.4		52 - 132	88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	168		44 - 137	112%	SPK: 150
1718-51-0	Terphenyl-d14	102		48 - 125	102%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	193000	7.705			
1146-65-2	Naphthalene-d8	776000	10.475			
15067-26-2	Acenaphthene-d10	496000	14.334			
1517-22-2	Phenanthrene-d10	1030000	17.134			
1719-03-5	Chrysene-d12	1030000	21.58			
1520-96-3	Perylene-d12	1040000	24.904			

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Bergen Point Fueling System			Date Received:	
Client Sample ID:	PB167886BL			SDG No.:	Q1956
Lab Sample ID:	PB167886BL			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024559.D	1	05/06/25 11:13	05/07/25 10:49	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith			Date Collected:	
Project:	Bergen Point Fueling System			Date Received:	
Client Sample ID:	PB167886BS			SDG No.:	Q1956
Lab Sample ID:	PB167886BS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024560.D	1	05/06/25 11:13	05/07/25 11:30	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	32.7		1.30	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	43.5		0.53	5.00	ug/L
95-48-7	2-Methylphenol	48.9		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.5		1.10	10.0	ug/L
67-72-1	Hexachloroethane	45.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.1		0.76	5.00	ug/L
87-68-3	Hexachlorobutadiene	49.6		0.54	5.00	ug/L
88-06-2	2,4,6-Trichlorophenol	50.9		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	50.5		0.62	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	49.1		1.20	5.00	ug/L
118-74-1	Hexachlorobenzene	51.8		0.52	5.00	ug/L
87-86-5	Pentachlorophenol	98.3	E	1.60	10.0	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	139		10 - 139	92%	SPK: 150
13127-88-3	Phenol-d6	126		10 - 134	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.5		49 - 133	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.6		52 - 132	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	167		44 - 137	112%	SPK: 150
1718-51-0	Terphenyl-d14	106		48 - 125	106%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	202000	7.704			
1146-65-2	Naphthalene-d8	841000	10.475			
15067-26-2	Acenaphthene-d10	544000	14.339			
1517-22-2	Phenanthrene-d10	1050000	17.145			
1719-03-5	Chrysene-d12	998000	21.586			
1520-96-3	Perylene-d12	953000	24.903			

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Report of Analysis

Client:	CDM Smith			Date Collected:			
Project:	Bergen Point Fueling System			Date Received:			
Client Sample ID:	PB167886BS			SDG No.:	Q1956		
Lab Sample ID:	PB167886BS			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024560.D	1	05/06/25 11:13	05/07/25 11:30	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	MH-PMS	SDG No.:	Q1956
Lab Sample ID:	Q1947-04MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024564.D	1	05/06/25 11:13	05/07/25 15:21	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	330		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	410		5.30	50.0	ug/L
95-48-7	2-Methylphenol	450		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	430		11.0	100	ug/L
67-72-1	Hexachloroethane	430		6.50	50.0	ug/L
98-95-3	Nitrobenzene	450		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	490		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	510		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	500		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	560		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	520		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	1000	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	123		10 - 139	82%	SPK: 150
13127-88-3	Phenol-d6	104		10 - 134	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.0		49 - 133	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.7		52 - 132	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	167		44 - 137	111%	SPK: 150
1718-51-0	Terphenyl-d14	92.0		48 - 125	92%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	137000	7.705			
1146-65-2	Naphthalene-d8	540000	10.469			
15067-26-2	Acenaphthene-d10	350000	14.334			
1517-22-2	Phenanthrene-d10	716000	17.128			
1719-03-5	Chrysene-d12	834000	21.58			
1520-96-3	Perylene-d12	968000	24.915			

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Report of Analysis

Client:	CDM Smith			Date Collected:	05/02/25
Project:	Bergen Point Fueling System			Date Received:	05/02/25
Client Sample ID:	MH-PMS			SDG No.:	Q1956
Lab Sample ID:	Q1947-04MS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024564.D	1	05/06/25 11:13	05/07/25 15:21	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	MH-PMSD	SDG No.:	Q1956
Lab Sample ID:	Q1947-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024565.D	1	05/06/25 11:13	05/07/25 16:02	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	320		12.8	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	400		5.30	50.0	ug/L
95-48-7	2-Methylphenol	430		11.2	50.0	ug/L
65794-96-9	3+4-Methylphenols	420		11.0	100	ug/L
67-72-1	Hexachloroethane	410		6.50	50.0	ug/L
98-95-3	Nitrobenzene	420		7.60	50.0	ug/L
87-68-3	Hexachlorobutadiene	470		5.40	50.0	ug/L
88-06-2	2,4,6-Trichlorophenol	480		5.10	50.0	ug/L
95-95-4	2,4,5-Trichlorophenol	480		6.20	50.0	ug/L
121-14-2	2,4-Dinitrotoluene	510		12.2	50.0	ug/L
118-74-1	Hexachlorobenzene	510		5.20	50.0	ug/L
87-86-5	Pentachlorophenol	990	E	15.8	100	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	117		10 - 139	78%	SPK: 150
13127-88-3	Phenol-d6	98.9		10 - 134	66%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.2		49 - 133	85%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.8		52 - 132	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		44 - 137	103%	SPK: 150
1718-51-0	Terphenyl-d14	87.5		48 - 125	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	160000	7.705			
1146-65-2	Naphthalene-d8	629000	10.475			
15067-26-2	Acenaphthene-d10	401000	14.34			
1517-22-2	Phenanthrene-d10	782000	17.139			
1719-03-5	Chrysene-d12	910000	21.58			
1520-96-3	Perylene-d12	1060000	24.904			

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Report of Analysis

Client:	CDM Smith			Date Collected:	05/02/25
Project:	Bergen Point Fueling System			Date Received:	05/02/25
Client Sample ID:	MH-PMSD			SDG No.:	Q1956
Lab Sample ID:	Q1947-04MSD			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP024565.D	1	05/06/25 11:13	05/07/25 16:02	PB167886

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM0500
31.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	ISTD									
2)		1,4-Dioxane		0.506	0.464	0.478	0.511	0.504	0.491	0.473	0.490	3.75
3)		Pyridine		1.201	1.166	1.229	1.331	1.328	1.292	1.261	1.258	5.03
4)		n-Nitrosodimet...		0.487	0.459	0.475	0.522	0.518	0.504	0.490	0.493	4.62
5)	S	2-Fluorophenol		1.074	1.079	1.107	1.208	1.211	1.173	1.142	1.142	5.04
6)		Aniline		1.657	1.689	1.768	1.942	1.922	1.875	1.835	1.813	6.16
7)	S	Phenol-d6		1.290	1.318	1.398	1.543	1.537	1.494	1.469	1.436	7.13
8)		2-Chlorophenol		1.169	1.161	1.198	1.312	1.301	1.268	1.235	1.235	4.96
9)		Benzaldehyde		0.940	0.920	0.971	1.031	1.013	0.956	0.894	0.961	5.08
10)	C	Phenol		1.349	1.344	1.420	1.539	1.537	1.501	1.483	1.453	5.73
11)		bis(2-Chloroet...		1.213	1.105	1.176	1.279	1.271	1.233	1.218	1.213	4.90
12)		1,3-Dichlorobe...		1.483	1.428	1.453	1.566	1.552	1.508	1.453	1.492	3.51
13)	C	1,4-Dichlorobe...		1.518	1.418	1.463	1.561	1.557	1.516	1.458	1.499	3.60
14)		1,2-Dichlorobe...		1.420	1.393	1.423	1.522	1.506	1.464	1.405	1.448	3.50
15)		Benzyl Alcohol		0.866	0.881	0.966	1.080	1.074	1.050	1.050	0.996	9.16
16)		2,2'-oxybis(1-...		1.487	1.422	1.445	1.552	1.513	1.473	1.433	1.475	3.17
17)		2-Methylphenol		0.857	0.893	0.931	1.033	1.026	0.988	0.975	0.957	6.96
18)		Hexachloroethane		0.552	0.508	0.521	0.556	0.548	0.533	0.510	0.533	3.79
19)	P	n-Nitroso-di-n...	0.802	0.889	0.885	0.921	1.003	0.988	0.949	0.928	0.921	6.95
20)		3+4-Methylphenols		1.137	1.170	1.267	1.393	1.392	1.349	1.341	1.293	8.09
21)	I	Naphthalene-d8	ISTD									
22)		Acetophenone		0.483	0.464	0.485	0.531	0.525	0.506	0.487	0.497	4.94
23)	S	Nitrobenzene-d5		0.386	0.374	0.397	0.434	0.433	0.417	0.400	0.406	5.68
24)		Nitrobenzene		0.337	0.325	0.345	0.374	0.372	0.358	0.346	0.351	5.16
25)		Isophorone		0.666	0.648	0.680	0.729	0.729	0.704	0.687	0.692	4.44
26)	C	2-Nitrophenol		0.148	0.157	0.172	0.196	0.198	0.192	0.191	0.179	11.33
27)		2,4-Dimethylph...		0.263	0.266	0.289	0.324	0.322	0.312	0.305	0.297	8.42
28)		bis(2-Chloroet...		0.407	0.399	0.422	0.455	0.452	0.434	0.425	0.428	4.92
29)	C	2,4-Dichloroph...		0.294	0.298	0.326	0.362	0.359	0.351	0.342	0.333	8.47
30)		1,2,4-Trichlor...		0.400	0.384	0.394	0.427	0.426	0.412	0.399	0.406	4.02
31)		Naphthalene		1.001	0.959	0.993	1.066	1.057	1.023	0.989	1.013	3.80
32)		Benzoic acid			0.138	0.172	0.197	0.206	0.212	0.215	0.190	15.67
33)		4-Chloroaniline		0.361	0.393	0.404	0.441	0.448	0.437	0.423	0.415	7.51
34)	C	Hexachlorobuta...		0.253	0.240	0.249	0.270	0.270	0.263	0.258	0.258	4.34
35)		Caprolactam		0.090	0.085	0.095	0.104	0.104	0.102	0.100	0.097	7.73
36)	C	4-Chloro-3-met...		0.289	0.283	0.302	0.325	0.329	0.317	0.309	0.308	5.72
37)		2-Methylnaphth...		0.656	0.639	0.662	0.713	0.714	0.692	0.678	0.679	4.22
38)		1-Methylnaphth...		0.703	0.675	0.708	0.753	0.751	0.731	0.710	0.719	3.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.624	0.622	0.655	0.742	0.745	0.725	0.733	0.692	8.17
41)	P	Hexachlorocycl...		0.303	0.362	0.455	0.468	0.467	0.483	0.423	17.30
42)	S	2,4,6-Tribromo...	0.253	0.249	0.281	0.318	0.329	0.318	0.323	0.296	11.61
43)	C	2,4,6-Trichlor...	0.372	0.381	0.423	0.476	0.485	0.467	0.469	0.439	10.76
44)		2,4,5-Trichlor...	0.410	0.417	0.453	0.517	0.519	0.501	0.497	0.474	9.83
45)	S	2-Fluorobiphenyl	1.588	1.555	1.632	1.807	1.822	1.744	1.688	1.691	6.21
46)		1,1'-Biphenyl	1.427	1.395	1.452	1.573	1.581	1.507	1.473	1.487	4.77
47)		2-Chloronaphth...	1.126	1.112	1.155	1.250	1.248	1.192	1.158	1.177	4.69
48)		2-Nitroaniline	0.238	0.242	0.269	0.302	0.304	0.294	0.286	0.276	9.96
49)		Acenaphthylene	1.794	1.715	1.810	1.972	1.971	1.889	1.845	1.857	5.10
50)		Dimethylphthalate	1.444	1.377	1.437	1.532	1.543	1.470	1.429	1.462	4.02
51)		2,6-Dinitrotol...	0.266	0.271	0.299	0.327	0.331	0.316	0.309	0.303	8.50
52)	C	Acenaphthene	1.038	0.998	1.046	1.133	1.145	1.094	1.067	1.075	4.93
53)		3-Nitroaniline	0.233	0.247	0.284	0.321	0.325	0.311	0.302	0.289	12.47
54)	P	2,4-Dinitrophenol		0.100	0.132	0.178	0.194	0.188	0.191	0.164	23.65
55)		Dibenzofuran	1.749	1.681	1.749	1.876	1.888	1.810	1.763	1.788	4.17
56)	P	4-Nitrophenol		0.128	0.180	0.224	0.237	0.231	0.231	0.205	20.96
57)		2,4-Dinitrotol...	0.338	0.366	0.412	0.456	0.468	0.447	0.440	0.418	11.72
58)		Fluorene	1.387	1.343	1.431	1.558	1.573	1.500	1.453	1.463	5.84
59)		2,3,4,6-Tetrac...	0.366	0.362	0.398	0.435	0.445	0.432	0.431	0.410	8.44
60)		Diethylphthalate	1.372	1.301	1.380	1.433	1.451	1.376	1.328	1.377	3.86
61)		4-Chlorophenyl...	0.741	0.716	0.770	0.857	0.871	0.836	0.836	0.804	7.58
62)		4-Nitroaniline	0.208	0.234	0.277	0.313	0.321	0.301	0.295	0.279	15.17
63)		Azobenzene	1.118	1.091	1.150	1.216	1.229	1.165	1.110	1.154	4.59
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.088	0.110	0.135	0.142	0.138	0.137	0.125	17.16
66)	c	n-Nitrosodiphe...	0.580	0.572	0.596	0.655	0.657	0.629	0.610	0.614	5.56
67)		4-Bromophenyl-...	0.223	0.216	0.229	0.258	0.258	0.256	0.253	0.242	7.60
68)		Hexachlorobenzene	0.265	0.251	0.264	0.294	0.295	0.291	0.291	0.279	6.49
69)		Atrazine	0.196	0.198	0.214	0.236	0.242	0.234	0.230	0.222	8.47
70)	C	Pentachlorophenol		0.117	0.141	0.167	0.172	0.170	0.174	0.157	14.52
71)		Phenanthrene	1.075	1.035	1.083	1.187	1.212	1.173	1.132	1.128	5.84
72)		Anthracene	1.062	1.038	1.096	1.214	1.236	1.191	1.154	1.142	6.78
73)		Carbazole	0.909	0.900	0.960	1.054	1.075	1.038	0.999	0.991	7.05
74)		Di-n-butylphth...	1.106	1.082	1.151	1.246	1.277	1.231	1.165	1.180	6.25
75)	C	Fluoranthene	1.178	1.142	1.250	1.410	1.455	1.425	1.411	1.324	9.86
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.560	0.646	0.772	0.769	0.765	0.751	0.710	12.36
78)		Pyrene	1.290	1.255	1.332	1.518	1.520	1.465	1.453	1.404	7.83
79)	S	Terphenyl-d14	1.176	1.189	1.332	1.524	1.541	1.458	1.239	1.352	11.58
80)		Butylbenzylpht...	0.489	0.479	0.515	0.562	0.568	0.545	0.524	0.526	6.53
81)		Benzo(a)anthra...	1.280	1.231	1.321	1.478	1.479	1.442	1.408	1.377	7.24
82)		3,3'-Dichlorob...	0.434	0.432	0.483	0.580	0.597	0.583	0.581	0.527	14.14
83)		Chrysene	1.208	1.170	1.214	1.342	1.369	1.325	1.296	1.275	6.03
84)		Bis(2-ethylhex...	0.726	0.725	0.775	0.843	0.852	0.814	0.765	0.786	6.61
85)	c	Di-n-octyl pht...	1.221	1.197	1.267	1.366	1.404	1.341	1.275	1.296	5.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.301	1.293	1.404	1.602	1.646	1.591	1.595	1.490	10.27
88)		Benzo(b)fluora...	1.128	1.149	1.209	1.406	1.415	1.408	1.390	1.301	10.16
89)		Benzo(k)fluora...	1.219	1.150	1.251	1.387	1.449	1.383	1.372	1.316	8.29
90)	C	Benzo(a)pyrene	1.094	1.066	1.147	1.295	1.330	1.298	1.297	1.218	9.15
91)		Dibenzo(a,h)an...	1.056	1.044	1.142	1.300	1.347	1.305	1.310	1.215	10.72
92)		Benzo(g,h,i)pe...	1.066	1.030	1.105	1.236	1.268	1.224	1.212	1.163	8.07

(#) = Out of Range

Response Factor Report MSBNA_P

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BP024275.D 5 =BP024276.D 10 =BP024277.D 20 =BP024278.D 40 =BP024279.D 50 =BP024280.D 60 =BP024281.D 80 =BP0242
82.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.490	0.477	0.512	6.10
3)		Pyridine		1.265	1.280	1.422	1.396	1.333	1.383	1.378	1.351	4.43
4)		n-Nitrosodimet...		0.424	0.443	0.469	0.457	0.442	0.460	0.444	0.448	3.29
5)	S	2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.277	1.196	1.210	4.93
6)		Aniline		1.439	1.487	1.636	1.587	1.403	1.428	1.380	1.480	6.52
7)	S	Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.769	1.647	1.656	6.75
8)		2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.400	1.328	1.350	4.30
9)		Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.726	0.621	0.819	15.70
10)	C	Phenol		1.475	1.565	1.720	1.750	1.698	1.779	1.643	1.661	6.54
11)		bis(2-Chloroet...		1.278	1.317	1.399	1.398	1.321	1.358	1.300	1.339	3.56
12)		1,3-Dichlorobe...		1.464	1.486	1.534	1.486	1.402	1.433	1.373	1.454	3.79
13)	C	1,4-Dichlorobe...		1.496	1.489	1.550	1.494	1.436	1.463	1.399	1.475	3.28
14)		1,2-Dichlorobe...		1.472	1.441	1.502	1.445	1.362	1.411	1.339	1.424	4.10
15)		Benzyl Alcohol		0.857	0.935	1.106	1.158	1.142	1.178	1.122	1.071	11.58
16)		2,2'-oxybis(1-...		1.452	1.496	1.517	1.514	1.405	1.397	1.348	1.447	4.54
17)		2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.150	1.087	1.075	7.97
18)		Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	0.510	0.533	2.88
19)	P	n-Nitroso-di-n...	0.941	1.008	1.008	1.088	1.084	1.041	1.038	0.989	1.025	4.76
20)		3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.607	1.525	1.491	9.57
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	0.483	0.495	3.85
23)	S	Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.356	0.347	0.351	4.76
24)		Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.353	0.340	0.347	3.96
25)		Isophorone		0.575	0.601	0.653	0.673	0.650	0.654	0.639	0.635	5.41
26)	C	2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.191	0.186	0.170	13.97
27)		2,4-Dimethylph...		0.180	0.194	0.219	0.226	0.225	0.228	0.221	0.213	8.81
28)		bis(2-Chloroet...		0.412	0.426	0.444	0.452	0.430	0.425	0.412	0.429	3.51
29)	C	2,4-Dichloroph...		0.242	0.268	0.297	0.308	0.307	0.311	0.302	0.291	8.94
30)		1,2,4-Trichlor...		0.308	0.305	0.318	0.321	0.309	0.315	0.306	0.311	2.00
31)		Naphthalene		1.044	1.054	1.091	1.079	1.037	1.048	1.023	1.054	2.27
32)		Benzoic acid			0.185	0.226	0.242	0.270	0.285	0.282	0.248	15.56
33)		4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.379	0.378	0.371	6.46
34)	C	Hexachlorobuta...		0.181	0.181	0.186	0.189	0.181	0.182	0.182	0.183	1.62
35)		Caprolactam		0.085	0.092	0.111	0.112	0.115	0.121	0.115	0.107	12.53
36)	C	4-Chloro-3-met...		0.284	0.310	0.349	0.357	0.356	0.363	0.351	0.339	8.82
37)		2-Methylnaphth...		0.700	0.720	0.755	0.755	0.733	0.740	0.712	0.731	2.89
38)		1-Methylnaphth...		0.700	0.714	0.737	0.731	0.712	0.718	0.691	0.715	2.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.522	0.538	0.568	0.576	0.544	0.549	0.552	0.550	3.33
41)	P	Hexachlorocycl...	0.162	0.185	0.197	0.218	0.199	0.197	0.204	0.195	8.92
42)	S	2,4,6-Tribromo...	0.235	0.256	0.278	0.289	0.289	0.296	0.294	0.277	8.29
43)	C	2,4,6-Trichlor...	0.301	0.335	0.369	0.389	0.386	0.390	0.390	0.366	9.51
44)		2,4,5-Trichlor...	0.332	0.371	0.409	0.427	0.429	0.436	0.430	0.405	9.62
45)	S	2-Fluorobiphenyl	1.332	1.334	1.359	1.366	1.263	1.251	1.240	1.306	4.08
46)		1,1'-Biphenyl	1.454	1.489	1.528	1.529	1.434	1.428	1.429	1.470	3.07
47)		2-Chloronaphth...	1.063	1.100	1.135	1.139	1.085	1.090	1.078	1.099	2.60
48)		2-Nitroaniline	0.250	0.270	0.317	0.330	0.324	0.335	0.331	0.308	10.98
49)		Acenaphthylene	1.604	1.680	1.793	1.814	1.726	1.763	1.730	1.730	4.11
50)		Dimethylphthalate	1.429	1.416	1.495	1.495	1.460	1.460	1.426	1.454	2.22
51)		2,6-Dinitrotol...	0.264	0.290	0.319	0.325	0.319	0.328	0.317	0.309	7.58
52)	C	Acenaphthene	1.087	1.087	1.141	1.126	1.081	1.079	1.076	1.097	2.35
53)		3-Nitroaniline	0.250	0.289	0.338	0.354	0.342	0.340	0.358	0.325	12.25
54)	P	2,4-Dinitrophenol		0.125	0.163	0.186	0.196	0.210	0.211	0.182	18.22
55)		Dibenzofuran	1.801	1.807	1.871	1.833	1.746	1.768	1.723	1.793	2.84
56)	P	4-Nitrophenol	0.190	0.231	0.289	0.305	0.306	0.323	0.317	0.280	17.90
57)		2,4-Dinitrotol...	0.334	0.368	0.439	0.448	0.442	0.463	0.456	0.421	11.82
58)		Fluorene	1.376	1.397	1.454	1.398	1.368	1.366	1.356	1.388	2.40
59)		2,3,4,6-Tetrac...	0.327	0.351	0.380	0.389	0.387	0.390	0.389	0.373	6.57
60)		Diethylphthalate	1.451	1.484	1.528	1.550	1.499	1.499	1.481	1.499	2.16
61)		4-Chlorophenyl...	0.667	0.675	0.699	0.680	0.667	0.670	0.659	0.674	1.95
62)		4-Nitroaniline	0.263	0.300	0.353	0.369	0.364	0.380	0.376	0.344	12.99
63)		Azobenzene	1.269	1.383	1.446	1.431	1.385	1.385	1.344	1.378	4.26
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.095	0.118	0.131	0.134	0.140	0.138	0.126	13.50
66)	c	n-Nitrosodiphe...	0.567	0.585	0.616	0.630	0.591	0.608	0.580	0.597	3.71
67)		4-Bromophenyl-...	0.203	0.212	0.220	0.230	0.220	0.225	0.222	0.219	4.11
68)		Hexachlorobenzene	0.247	0.247	0.260	0.271	0.261	0.269	0.263	0.260	3.67
69)		Atrazine	0.176	0.167	0.134	0.121	0.162			0.152	15.57
70)	C	Pentachlorophenol	0.143	0.155	0.175	0.196	0.197	0.203	0.201	0.181	13.35
71)		Phenanthrene	1.098	1.086	1.117	1.127	1.070	1.082	1.058	1.091	2.27
72)		Anthracene	0.995	1.017	1.084	1.111	1.053	1.071	1.030	1.052	3.85
73)		Carbazole	0.968	0.998	1.060	1.084	1.014	1.037	1.031	1.027	3.78
74)		Di-n-butylphth...	1.147	1.230	1.253	1.398	1.310	1.338	1.284	1.280	6.30
75)	C	Fluoranthene	1.289	1.274	1.316	1.347	1.280	1.304	1.274	1.298	2.07
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.144	0.141	0.109	0.436	0.333	0.302	0.307	0.254	48.39
78)		Pyrene	1.192	1.236	1.345	1.305	1.294	1.305	1.219	1.271	4.38
79)	S	Terphenyl-d14	0.967	0.998	1.055	1.032	1.005	0.964	0.926	0.992	4.42
80)		Butylbenzylpht...	0.434	0.488	0.546	0.596	0.580	0.593	0.574	0.544	11.25
81)		Benzo(a)anthra...	1.195	1.214	1.292	1.293	1.234	1.253	1.221	1.243	3.08
82)		3,3'-Dichlorob...	0.345	0.383	0.431	0.486	0.463	0.485	0.460	0.436	12.30
83)		Chrysene	1.180	1.181	1.229	1.213	1.173	1.193	1.167	1.191	1.88
84)		Bis(2-ethylhex...	0.639	0.735	0.779	0.893	0.853	0.867	0.819	0.798	11.09
85)	c	Di-n-octyl pht...	0.945	1.093	1.222	1.461	1.430	1.486	1.446	1.297	16.46

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.252	1.304	1.407	1.444	1.401	1.445	1.466	1.388	5.77
88)		Benzo(b)fluora...	1.130	1.174	1.217	1.258	1.196	1.205	1.212	1.199	3.30
89)		Benzo(k)fluora...	1.088	1.131	1.217	1.212	1.154	1.166	1.138	1.158	3.94
90)	C	Benzo(a)pyrene	0.939	0.971	1.057	1.091	1.053	1.070	1.058	1.034	5.44
91)		Dibenzo(a,h)an...	1.046	1.089	1.172	1.203	1.169	1.186	1.202	1.152	5.28
92)		Benzo(g,h,i)pe...	1.073	1.110	1.198	1.218	1.180	1.209	1.224	1.173	4.99

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: BNA_M Calibration Date/Time: 05/06/2025 10:03

Lab File ID: BM050112.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.258	1.226		-2.5	
2-Fluorophenol	1.142	1.120		-1.9	
Phenol-d6	1.436	1.382		-3.8	
1,4-Dichlorobenzene	1.499	1.415		-5.6	20.0
2-Methylphenol	0.957	0.897		-6.3	
3+4-Methylphenols	1.293	1.216		-6.0	
Nitrobenzene-d5	0.406	0.390		-3.9	
Hexachloroethane	0.533	0.495		-7.1	
Nitrobenzene	0.351	0.336		-4.3	
Hexachlorobutadiene	0.258	0.242		-6.2	20.0
2,4,6-Trichlorophenol	0.439	0.428		-2.5	20.0
2-Fluorobiphenyl	1.691	1.590		-6.0	
2,4,5-Trichlorophenol	0.474	0.455		-4.0	
2,4-Dinitrotoluene	0.418	0.410		-1.9	
2,4,6-Tribromophenol	0.296	0.278		-6.1	
Hexachlorobenzene	0.279	0.262		-6.1	
Pentachlorophenol	0.157	0.141		-10.2	20.0
Terphenyl-d14	1.352	1.328		-1.8	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: BNA_M Calibration Date/Time: 05/08/2025 10:41

Lab File ID: BM050140.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.258	1.221		-2.9	
2-Fluorophenol	1.142	1.109		-2.9	
Phenol-d6	1.436	1.425		-0.8	
1,4-Dichlorobenzene	1.499	1.405		-6.3	20.0
2-Methylphenol	0.957	0.937		-2.1	
3+4-Methylphenols	1.293	1.279		-1.1	
Nitrobenzene-d5	0.406	0.390		-3.9	
Hexachloroethane	0.533	0.500		-6.2	
Nitrobenzene	0.351	0.337		-4.0	
Hexachlorobutadiene	0.258	0.244		-5.4	20.0
2,4,6-Trichlorophenol	0.439	0.444		1.1	20.0
2-Fluorobiphenyl	1.691	1.640		-3.0	
2,4,5-Trichlorophenol	0.474	0.470		-0.8	
2,4-Dinitrotoluene	0.418	0.409		-2.2	
2,4,6-Tribromophenol	0.296	0.286		-3.4	
Hexachlorobenzene	0.279	0.271		-2.9	
Pentachlorophenol	0.157	0.148		-5.7	20.0
Terphenyl-d14	1.352	1.555		15.0	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Instrument ID: BNA_P Calibration Date/Time: 05/07/2025 10:08

Lab File ID: BP024558.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.351	1.124		-16.8	
2-Fluorophenol	1.210	1.172		-3.1	
Phenol-d6	1.656	1.539		-7.1	
1,4-Dichlorobenzene	1.475	1.405		-4.7	20.0
2-Methylphenol	1.075	1.034		-3.8	
3+4-Methylphenols	1.491	1.442		-3.3	
Nitrobenzene-d5	0.351	0.344		-2.0	
Hexachloroethane	0.533	0.528		-0.9	
Nitrobenzene	0.347	0.335		-3.7	
Hexachlorobutadiene	0.183	0.198		8.2	20.0
2,4,6-Trichlorophenol	0.366	0.392		7.1	20.0
2-Fluorobiphenyl	1.306	1.341		2.7	
2,4,5-Trichlorophenol	0.405	0.422		4.2	
2,4-Dinitrotoluene	0.421	0.424		0.7	
2,4,6-Tribromophenol	0.277	0.314		13.4	
Hexachlorobenzene	0.260	0.288		10.8	
Pentachlorophenol	0.181	0.189		4.4	20.0
Terphenyl-d14	0.992	1.111		12.0	

All other compounds must meet a minimum RRF of 0.010.

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Diesel Range Organics	8015D		05/08/25	05/08/25	
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/07/25	05/07/25	
			Pesticide-TCL	8081B		05/08/25	05/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956 **Order ID:** Q1956

Client: CDM Smith **Project ID:** Bergen Point Fueling System

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB2-4-5								
Q1956-02	SB2-4-5	SOIL	Endrin	0.32	JP	0.15	1.80	ug/kg
			Total Concentration:	**0.320**				
Client ID : SB91-3-4								
Q1956-06	SB91-3-4	SOIL	alpha-Chlordane	0.32	JP	0.13	1.90	ug/kg
			Total Concentration:	**0.320**				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095571.D	1	05/06/25 08:55	05/06/25 17:36	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	1.90	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	1.90	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	1.90	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	1.90	U	0.13	1.90	ug/kg
309-00-2	Aldrin	1.90	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.90	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	1.90	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	1.90	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	1.90	U	0.16	1.90	ug/kg
72-20-8	Endrin	1.90	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	1.90	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	1.90	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	1.90	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	1.90	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	1.90	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	1.90	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	1.90	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	1.90	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.90	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	37.0	U	6.10	37.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.9		20 - 144	75%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.0		19 - 148	130%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095571.D	1	05/06/25 08:55	05/06/25 17:36	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095572.D	1	05/06/25 08:55	05/06/25 17:50	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.80	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	1.80	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	1.80	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	1.80	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	1.80	U	0.13	1.80	ug/kg
309-00-2	Aldrin	1.80	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	1.80	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	1.80	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	1.80	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	1.80	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.32	JP	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	1.80	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	1.80	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	1.80	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	1.80	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	1.80	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	1.80	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	1.80	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	1.80	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	1.80	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	35.2	U	5.80	35.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		20 - 144	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.5		19 - 148	128%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095572.D	1	05/06/25 08:55	05/06/25 17:50	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095575.D	1	05/06/25 08:55	05/06/25 18:31	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	1.90	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	1.90	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	1.90	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	1.90	U	0.13	1.90	ug/kg
309-00-2	Aldrin	1.90	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.90	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	1.90	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	1.90	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	1.90	U	0.15	1.90	ug/kg
72-20-8	Endrin	1.90	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	1.90	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	1.90	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	1.90	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	1.90	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	1.90	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	1.90	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	1.90	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.32	JP	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.90	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	36.5	U	6.00	36.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.6		20 - 144	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.4		19 - 148	122%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095575.D	1	05/06/25 08:55	05/06/25 18:31	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	430 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088438.D	1	05/08/25 08:51	05/08/25 17:55	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.058	U	0.0045	0.058	ug/L
319-85-7	beta-BHC	0.058	U	0.0057	0.058	ug/L
319-86-8	delta-BHC	0.058	U	0.013	0.058	ug/L
58-89-9	gamma-BHC (Lindane)	0.058	U	0.0043	0.058	ug/L
76-44-8	Heptachlor	0.058	U	0.0031	0.058	ug/L
309-00-2	Aldrin	0.058	U	0.0042	0.058	ug/L
1024-57-3	Heptachlor epoxide	0.058	U	0.011	0.058	ug/L
959-98-8	Endosulfan I	0.058	U	0.0036	0.058	ug/L
60-57-1	Dieldrin	0.058	U	0.0042	0.058	ug/L
72-55-9	4,4-DDE	0.058	U	0.0043	0.058	ug/L
72-20-8	Endrin	0.058	U	0.0037	0.058	ug/L
33213-65-9	Endosulfan II	0.058	U	0.0092	0.058	ug/L
72-54-8	4,4-DDD	0.058	U	0.0083	0.058	ug/L
1031-07-8	Endosulfan Sulfate	0.058	U	0.0043	0.058	ug/L
50-29-3	4,4-DDT	0.058	U	0.0041	0.058	ug/L
72-43-5	Methoxychlor	0.058	U	0.013	0.058	ug/L
53494-70-5	Endrin ketone	0.058	U	0.011	0.058	ug/L
7421-93-4	Endrin aldehyde	0.058	U	0.013	0.058	ug/L
5103-71-9	alpha-Chlordane	0.058	U	0.0041	0.058	ug/L
5103-74-2	gamma-Chlordane	0.058	U	0.0045	0.058	ug/L
8001-35-2	Toxaphene	1.20	U	0.20	1.20	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.0		43 - 140	65%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		77 - 126	96%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	430 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088438.D	1	05/08/25 08:51	05/08/25 17:55	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PD088121.D	PIBLK-PD088121.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	22.7	113		43	140
		Tetrachloro-m-xylene	2	20	20.9	104		77	126
I.BLK-PD088432.D	PIBLK-PD088432.D	Decachlorobiphenyl	1	20	19.4	97		43	140
		Tetrachloro-m-xylene	1	20	16.9	84		77	126
		Decachlorobiphenyl	2	20	19.5	98		43	140
		Tetrachloro-m-xylene	2	20	16.7	84		77	126
PB167914BL	PB167914BL	Decachlorobiphenyl	1	20	20.7	103		43	140
		Tetrachloro-m-xylene	1	20	17.9	89		77	126
		Decachlorobiphenyl	2	20	20.1	101		43	140
		Tetrachloro-m-xylene	2	20	18.7	94		77	126
PB167914BS	PB167914BS	Decachlorobiphenyl	1	20	21.0	105		43	140
		Tetrachloro-m-xylene	1	20	18.2	91		77	126
		Decachlorobiphenyl	2	20	20.6	103		43	140
		Tetrachloro-m-xylene	2	20	18.9	95		77	126
PB167914BSD	PB167914BSD	Decachlorobiphenyl	1	20	21.3	107		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	20.7	104		43	140
		Tetrachloro-m-xylene	2	20	19.1	95		77	126
Q1956-07	FB-05022025	Decachlorobiphenyl	1	20	13.0	65		43	140
		Tetrachloro-m-xylene	1	20	19.3	96		77	126
		Decachlorobiphenyl	2	20	12.7	64		43	140
		Tetrachloro-m-xylene	2	20	19.2	96		77	126
I.BLK-PD088439.D	PIBLK-PD088439.D	Decachlorobiphenyl	1	20	19.4	97		43	140
		Tetrachloro-m-xylene	1	20	16.8	84		77	126
		Decachlorobiphenyl	2	20	19.0	95		43	140
		Tetrachloro-m-xylene	2	20	16.7	84		77	126
I.BLK-PL095326.D	PIBLK-PL095326.D	Decachlorobiphenyl	1	20	18.9	94		43	140
		Tetrachloro-m-xylene	1	20	17.3	87		77	126
		Decachlorobiphenyl	2	20	18.2	91		43	140
		Tetrachloro-m-xylene	2	20	17.1	86		77	126
I.BLK-PL095560.D	PIBLK-PL095560.D	Decachlorobiphenyl	1	20	19.8	99		43	140
		Tetrachloro-m-xylene	1	20	18.0	90		77	126
		Decachlorobiphenyl	2	20	20.6	103		43	140
		Tetrachloro-m-xylene	2	20	20.9	104		77	126
PB167878BL	PB167878BL	Decachlorobiphenyl	1	20	22.1	111		20	144
		Tetrachloro-m-xylene	1	20	21.5	108		19	148
		Decachlorobiphenyl	2	20	25.1	125		20	144
		Tetrachloro-m-xylene	2	20	25.9	130		19	148
PB167878BS	PB167878BS	Decachlorobiphenyl	1	20	18.4	92		20	144

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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
PB167878BS	PB167878BS	Tetrachloro-m-xylene	1	20	17.1	85		19	148
		Decachlorobiphenyl	2	20	21.4	107		20	144
		Tetrachloro-m-xylene	2	20	21.9	109		19	148
I.BLK-PL095566.D	PIBLK-PL095566.D	Decachlorobiphenyl	1	20	17.7	88		43	140
		Tetrachloro-m-xylene	1	20	18.1	91		77	126
		Decachlorobiphenyl	2	20	18.6	93		43	140
		Tetrachloro-m-xylene	2	20	21.8	109		77	126
Q1956-01	SB1-3-4	Decachlorobiphenyl	1	20	14.5	72		20	144
		Tetrachloro-m-xylene	1	20	20.6	103		19	148
		Decachlorobiphenyl	2	20	14.9	75		20	144
		Tetrachloro-m-xylene	2	20	26.0	130		19	148
Q1956-02	SB2-4-5	Decachlorobiphenyl	1	20	15.4	77		20	144
		Tetrachloro-m-xylene	1	20	19.9	100		19	148
		Decachlorobiphenyl	2	20	16.6	83		20	144
		Tetrachloro-m-xylene	2	20	25.5	128		19	148
Q1956-03MS	SB2-4-5MS	Decachlorobiphenyl	1	20	14.8	74		20	144
		Tetrachloro-m-xylene	1	20	18.5	92		19	148
		Decachlorobiphenyl	2	20	16.2	81		20	144
		Tetrachloro-m-xylene	2	20	22.9	115		19	148
Q1956-04MSD	SB2-4-5MSD	Decachlorobiphenyl	1	20	14.6	73		20	144
		Tetrachloro-m-xylene	1	20	18.4	92		19	148
		Decachlorobiphenyl	2	20	16.8	84		20	144
		Tetrachloro-m-xylene	2	20	23.1	115		19	148
Q1956-06	SB91-3-4	Decachlorobiphenyl	1	20	14.0	70		20	144
		Tetrachloro-m-xylene	1	20	19.4	97		19	148
		Decachlorobiphenyl	2	20	15.6	78		20	144
		Tetrachloro-m-xylene	2	20	24.4	122		19	148
I.BLK-PL095576.D	PIBLK-PL095576.D	Decachlorobiphenyl	1	20	19.1	95		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	20.1	100		43	140
		Tetrachloro-m-xylene	2	20	22.2	111		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **DataFile :** PL095573.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SB2-4-5MS**											
Q1956-03MS	alpha-BHC	17.8	0	23.2	ug/kg	130				60	144	
	beta-BHC	17.8	0	20.7	ug/kg	116				54	143	
	delta-BHC	17.8	0	22.3	ug/kg	125				29	151	
	gamma-BHC (Lindane)	17.8	0	22.2	ug/kg	125				61	140	
	Heptachlor	17.8	0	21.2	ug/kg	119				63	135	
	Aldrin	17.8	0	22.1	ug/kg	124				49	139	
	Heptachlor epoxide	17.8	0	21.3	ug/kg	120				41	156	
	Endosulfan I	17.8	0	21.2	ug/kg	119				56	142	
	Dieldrin	17.8	0	21.1	ug/kg	119				47	161	
	4,4'-DDE	17.8	0	20.3	ug/kg	114				55	136	
	Endrin	17.8	0.3202	20.9	ug/kg	116				57	139	
	Endosulfan II	17.8	0	20.1	ug/kg	113				40	163	
	4,4'-DDD	17.8	0	21.2	ug/kg	119				47	163	
	Endosulfan sulfate	17.8	0	19.3	ug/kg	108				62	139	
	4,4'-DDT	17.8	0	20.1	ug/kg	113				51	146	
	Methoxychlor	17.8	0	19.3	ug/kg	108				54	136	
	Endrin ketone	17.8	0	21.1	ug/kg	119				60	129	
	Endrin aldehyde	17.8	0	19.8	ug/kg	111				59	132	
	alpha-Chlordane	17.8	0	21.1	ug/kg	119				39	166	
	gamma-Chlordane	17.8	0	21.6	ug/kg	121				44	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **DataFile :** PL095574.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SB2-4-5MSD**											
Q1956-04MSD	alpha-BHC	17.8	0	23.4	ug/kg	131		1		60	144	20
	beta-BHC	17.8	0	20.9	ug/kg	117		1		54	143	20
	delta-BHC	17.8	0	22.6	ug/kg	127		2		29	151	20
	gamma-BHC (Lindane)	17.8	0	22.3	ug/kg	125		0		61	140	20
	Heptachlor	17.8	0	21.4	ug/kg	120		1		63	135	20
	Aldrin	17.8	0	22.4	ug/kg	126		2		49	139	20
	Heptachlor epoxide	17.8	0	21.6	ug/kg	121		1		41	156	20
	Endosulfan I	17.8	0	21.6	ug/kg	121		2		56	142	20
	Dieldrin	17.8	0	21.5	ug/kg	121		2		47	161	20
	4,4'-DDE	17.8	0	20.7	ug/kg	116		2		55	136	20
	Endrin	17.8	0.3202	21.5	ug/kg	119		3		57	139	20
	Endosulfan II	17.8	0	20.8	ug/kg	117		3		40	163	20
	4,4'-DDD	17.8	0	21.7	ug/kg	122		2		47	163	20
	Endosulfan sulfate	17.8	0	19.3	ug/kg	108		0		62	139	20
	4,4'-DDT	17.8	0	20.9	ug/kg	117		3		51	146	20
	Methoxychlor	17.8	0	19.7	ug/kg	111		3		54	136	20
	Endrin ketone	17.8	0	21.4	ug/kg	120		1		60	129	20
	Endrin aldehyde	17.8	0	20.7	ug/kg	116		4		59	132	20
	alpha-Chlordane	17.8	0	21.4	ug/kg	120		1		39	166	20
	gamma-Chlordane	17.8	0	22.0	ug/kg	124		2		44	175	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **Datafile :** PD088436.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167914BS	alpha-BHC	0.5	0.46	ug/L	93				85	130	
	beta-BHC	0.5	0.47	ug/L	94				83	126	
	delta-BHC	0.5	0.50	ug/L	100				69	141	
	gamma-BHC (Lindane)	0.5	0.46	ug/L	92				82	129	
	Heptachlor	0.5	0.47	ug/L	95				79	127	
	Aldrin	0.5	0.47	ug/L	95				79	126	
	Heptachlor epoxide	0.5	0.47	ug/L	94				81	124	
	Endosulfan I	0.5	0.48	ug/L	95				85	122	
	Dieldrin	0.5	0.48	ug/L	96				83	125	
	4,4'-DDE	0.5	0.47	ug/L	95				80	127	
	Endrin	0.5	0.49	ug/L	97				81	128	
	Endosulfan II	0.5	0.47	ug/L	95				82	123	
	4,4'-DDD	0.5	0.49	ug/L	97				77	131	
	Endosulfan sulfate	0.5	0.48	ug/L	97				76	129	
	4,4'-DDT	0.5	0.48	ug/L	95				80	133	
	Methoxychlor	0.5	0.49	ug/L	97				78	108	
	Endrin ketone	0.5	0.49	ug/L	98				80	131	
	Endrin aldehyde	0.5	0.49	ug/L	98				82	127	
	alpha-Chlordane	0.5	0.47	ug/L	95				82	125	
	gamma-Chlordane	0.5	0.47	ug/L	94				82	125	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **Datafile :** PD088437.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167914BSD	alpha-BHC	0.5	0.47	ug/L	94	1			85	130	20
	beta-BHC	0.5	0.47	ug/L	94	0			83	126	20
	delta-BHC	0.5	0.51	ug/L	103	3			69	141	20
	gamma-BHC (Lindane)	0.5	0.47	ug/L	93	1			82	129	20
	Heptachlor	0.5	0.48	ug/L	96	1			79	127	20
	Aldrin	0.5	0.48	ug/L	96	1			79	126	20
	Heptachlor epoxide	0.5	0.48	ug/L	96	2			81	124	20
	Endosulfan I	0.5	0.48	ug/L	96	1			85	122	20
	Dieldrin	0.5	0.49	ug/L	98	2			83	125	20
	4,4'-DDE	0.5	0.48	ug/L	95	0			80	127	20
	Endrin	0.5	0.49	ug/L	98	1			81	128	20
	Endosulfan II	0.5	0.48	ug/L	96	1			82	123	20
	4,4'-DDD	0.5	0.49	ug/L	98	1			77	131	20
	Endosulfan sulfate	0.5	0.49	ug/L	98	1			76	129	20
	4,4'-DDT	0.5	0.48	ug/L	96	1			80	133	20
	Methoxychlor	0.5	0.49	ug/L	99	2			78	108	20
	Endrin ketone	0.5	0.49	ug/L	99	1			80	131	20
	Endrin aldehyde	0.5	0.50	ug/L	99	1			82	127	20
	alpha-Chlordane	0.5	0.48	ug/L	96	1			82	125	20
	gamma-Chlordane	0.5	0.48	ug/L	96	2			82	125	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **Datafile :** PL095564.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167878BS	alpha-BHC	16.65	18.8	ug/kg	113				84	123	
	beta-BHC	16.65	17.2	ug/kg	103				82	123	
	delta-BHC	16.65	18.6	ug/kg	112				83	126	
	gamma-BHC (Lindane)	16.65	18.2	ug/kg	109				83	125	
	Heptachlor	16.65	17.6	ug/kg	106				83	122	
	Aldrin	16.65	18.4	ug/kg	111				82	124	
	Heptachlor epoxide	16.65	18.1	ug/kg	109				83	120	
	Endosulfan I	16.65	17.4	ug/kg	105				81	124	
	Dieldrin	16.65	19.0	ug/kg	114				85	121	
	4,4'-DDE	16.65	17.8	ug/kg	107				81	123	
	Endrin	16.65	18.7	ug/kg	112				76	130	
	Endosulfan II	16.65	18.3	ug/kg	110				80	125	
	4,4'-DDD	16.65	19.1	ug/kg	115				80	131	
	Endosulfan sulfate	16.65	17.8	ug/kg	107				81	122	
	4,4'-DDT	16.65	18.2	ug/kg	109				70	129	
	Methoxychlor	16.65	17.5	ug/kg	105				60	119	
	Endrin ketone	16.65	20.0	ug/kg	120				77	132	
	Endrin aldehyde	16.65	18.5	ug/kg	111				79	124	
	alpha-Chlordane	16.65	17.8	ug/kg	107				84	120	
	gamma-Chlordane	16.65	18.0	ug/kg	108				83	122	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167878BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167878BL Lab File ID: PL095563.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/06/2025

Date Analyzed (1): 05/06/2025 Date Analyzed (2): 05/06/2025

Time Analyzed (1): 13:56 Time Analyzed (2): 13:56

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

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
PB167878BS	PB167878BS	PL095564.D	05/06/2025	05/06/2025
SB1-3-4	Q1956-01	PL095571.D	05/06/2025	05/06/2025
SB2-4-5	Q1956-02	PL095572.D	05/06/2025	05/06/2025
SB2-4-5MS	Q1956-03MS	PL095573.D	05/06/2025	05/06/2025
SB2-4-5MSD	Q1956-04MSD	PL095574.D	05/06/2025	05/06/2025
SB91-3-4	Q1956-06	PL095575.D	05/06/2025	05/06/2025

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167914BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167914BL Lab File ID: PD088435.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 05/08/2025

Date Analyzed (1): 05/08/2025 Date Analyzed (2): 05/08/2025

Time Analyzed (1): 17:14 Time Analyzed (2): 17:14

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

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
PB167914BS	PB167914BS	PD088436.D	05/08/2025	05/08/2025
PB167914BSD	PB167914BSD	PD088437.D	05/08/2025	05/08/2025
FB-05022025	Q1956-07	PD088438.D	05/08/2025	05/08/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167878BL	SDG No.:	Q1956
Lab Sample ID:	PB167878BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095563.D	1	05/06/25 08:55	05/06/25 13:56	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.70	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	1.70	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	1.70	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	1.70	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	1.70	U	0.12	1.70	ug/kg
309-00-2	Aldrin	1.70	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	1.70	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	1.70	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	1.70	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	1.70	U	0.14	1.70	ug/kg
72-20-8	Endrin	1.70	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	1.70	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	1.70	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	1.70	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	1.70	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	1.70	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	1.70	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	1.70	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	1.70	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	1.70	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.1		20 - 144	125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.9		19 - 148	130%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167878BL	SDG No.:	Q1956
Lab Sample ID:	PB167878BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095563.D	1	05/06/25 08:55	05/06/25 13:56	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BL	SDG No.:	Q1956
Lab Sample ID:	PB167914BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088435.D	1	05/08/25 08:51	05/08/25 17:14	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.7		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		77 - 126	94%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BL	SDG No.:	Q1956
Lab Sample ID:	PB167914BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088435.D	1	05/08/25 08:51	05/08/25 17:14	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	04/18/25
Project:	Bergen Point Fueling System	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088121.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088121.D	1		04/18/25	PD041825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		77 - 126	104%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	04/18/25
Project:	Bergen Point Fueling System	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088121.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088121.D	1		04/18/25	PD041825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PD088432.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088432.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088432.D	1		05/08/25	pd050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		77 - 126	84%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PD088432.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088432.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088432.D	1		05/08/25	pd050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PD088439.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088439.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088439.D	1		05/08/25	pd050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		77 - 126	84%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PD088439.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088439.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088439.D	1		05/08/25	pd050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	04/23/25
Project:	Bergen Point Fueling System	Date Received:	04/23/25
Client Sample ID:	PIBLK-PL095326.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095326.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095326.D	1		04/23/25	pl042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		77 - 126	87%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	04/23/25
Project:	Bergen Point Fueling System	Date Received:	04/23/25
Client Sample ID:	PIBLK-PL095326.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095326.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095326.D	1		04/23/25	pl042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095560.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095560.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095560.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		77 - 126	104%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095560.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095560.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095560.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095566.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095566.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095566.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		43 - 140	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		77 - 126	109%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095566.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095566.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095566.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095576.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095576.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095576.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		43 - 140	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		77 - 126	111%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095576.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095576.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095576.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167878BS	SDG No.:	Q1956
Lab Sample ID:	PB167878BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095564.D	1	05/06/25 08:55	05/06/25 14:26	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.8	P	0.13	1.70	ug/kg
319-85-7	beta-BHC	17.2		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.6	P	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.2	P	0.14	1.70	ug/kg
76-44-8	Heptachlor	17.6		0.12	1.70	ug/kg
309-00-2	Aldrin	18.4		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.1		0.19	1.70	ug/kg
959-98-8	Endosulfan I	17.4		0.14	1.70	ug/kg
60-57-1	Dieldrin	19.0		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.8		0.14	1.70	ug/kg
72-20-8	Endrin	18.7		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	18.3		0.29	1.70	ug/kg
72-54-8	4,4-DDD	19.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.8		0.13	1.70	ug/kg
50-29-3	4,4-DDT	18.2		0.14	1.70	ug/kg
72-43-5	Methoxychlor	17.5		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	20.0	P	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	18.5		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.8		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.0		0.15	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		20 - 144	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		19 - 148	109%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167878BS	SDG No.:	Q1956
Lab Sample ID:	PB167878BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095564.D	1	05/06/25 08:55	05/06/25 14:26	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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
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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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BS	SDG No.:	Q1956
Lab Sample ID:	PB167914BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088436.D	1	05/08/25 08:51	05/08/25 17:27	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.46		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.47		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.50		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.46		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.47		0.0027	0.050	ug/L
309-00-2	Aldrin	0.47		0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.47		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.48		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.48		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.47		0.0037	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.47		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.49		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.48		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.48		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.49		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.49		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.49		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.47		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.47		0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.0		43 - 140	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		77 - 126	95%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BS	SDG No.:	Q1956
Lab Sample ID:	PB167914BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088436.D	1	05/08/25 08:51	05/08/25 17:27	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BSD	SDG No.:	Q1956
Lab Sample ID:	PB167914BSD	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088437.D	1	05/08/25 08:51	05/08/25 17:41	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.47		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.47		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.51		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.47		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.48		0.0027	0.050	ug/L
309-00-2	Aldrin	0.48		0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.48		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.48		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.49		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.48		0.0037	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.48		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.49		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.49		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.48		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.49		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.49		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.50		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.48		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.48		0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.3		43 - 140	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		77 - 126	95%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BSD	SDG No.:	Q1956
Lab Sample ID:	PB167914BSD	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088437.D	1	05/08/25 08:51	05/08/25 17:41	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095573.D	1	05/06/25 08:55	05/06/25 18:04	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	23.2	P	0.14	1.80	ug/kg
319-85-7	beta-BHC	20.7		0.19	1.80	ug/kg
319-86-8	delta-BHC	22.3		0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	22.2		0.15	1.80	ug/kg
76-44-8	Heptachlor	21.2		0.13	1.80	ug/kg
309-00-2	Aldrin	22.1		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	21.3		0.20	1.80	ug/kg
959-98-8	Endosulfan I	21.2		0.15	1.80	ug/kg
60-57-1	Dieldrin	21.1		0.15	1.80	ug/kg
72-55-9	4,4-DDE	20.3		0.15	1.80	ug/kg
72-20-8	Endrin	20.9		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	20.1		0.31	1.80	ug/kg
72-54-8	4,4-DDD	21.2		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	19.3		0.14	1.80	ug/kg
50-29-3	4,4-DDT	20.1		0.15	1.80	ug/kg
72-43-5	Methoxychlor	19.3		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	21.1		0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	19.8		0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	21.1		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	21.6		0.16	1.80	ug/kg
8001-35-2	Toxaphene	35.2	U	5.80	35.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.2		20 - 144	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		19 - 148	115%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095573.D	1	05/06/25 08:55	05/06/25 18:04	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095574.D	1	05/06/25 08:55	05/06/25 18:17	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	23.4	P	0.14	1.80	ug/kg
319-85-7	beta-BHC	20.9		0.19	1.80	ug/kg
319-86-8	delta-BHC	22.6	P	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	22.3	P	0.15	1.80	ug/kg
76-44-8	Heptachlor	21.4		0.13	1.80	ug/kg
309-00-2	Aldrin	22.4		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	21.6		0.20	1.80	ug/kg
959-98-8	Endosulfan I	21.6		0.15	1.80	ug/kg
60-57-1	Dieldrin	21.5		0.15	1.80	ug/kg
72-55-9	4,4-DDE	20.7		0.15	1.80	ug/kg
72-20-8	Endrin	21.5		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	20.8		0.31	1.80	ug/kg
72-54-8	4,4-DDD	21.7		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	19.3		0.14	1.80	ug/kg
50-29-3	4,4-DDT	20.9		0.15	1.80	ug/kg
72-43-5	Methoxychlor	19.7		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	21.4		0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	20.7		0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	21.4		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	22.0		0.16	1.80	ug/kg
8001-35-2	Toxaphene	35.2	U	5.80	35.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.8		20 - 144	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		19 - 148	115%	SPK: 20

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095574.D	1	05/06/25 08:55	05/06/25 18:17	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Decachlorobiphenyl	9.08	9.07	9.08	9.08	9.08	9.07	8.97	9.17
delta-BHC	4.77	4.77	4.77	4.77	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.50	7.50	7.50	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.95	5.93	5.93	5.93	5.93	5.94	5.84	6.04
4,4'-DDE	5.40	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.20	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aldrin	4.39	4.37	4.37	4.37	4.37	4.38	4.28	4.48
alpha-BHC	3.41	3.40	3.40	3.40	3.40	3.40	3.30	3.50
alpha-Chlordane	5.21	5.20	5.19	5.19	5.19	5.20	5.10	5.30
beta-BHC	4.05	4.03	4.03	4.03	4.03	4.03	3.93	4.13
Decachlorobiphenyl	8.09	8.08	8.08	8.08	8.08	8.08	7.98	8.18
delta-BHC	4.28	4.27	4.27	4.27	4.27	4.27	4.17	4.37
Dieldrin	5.53	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Endosulfan I	5.27	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Endosulfan II	6.10	6.08	6.08	6.09	6.08	6.09	5.99	6.19
Endosulfan sulfate	6.50	6.49	6.49	6.49	6.49	6.49	6.39	6.59
Endrin	5.81	5.79	5.79	5.79	5.79	5.80	5.70	5.90
Endrin aldehyde	6.28	6.26	6.26	6.26	6.26	6.27	6.17	6.37
Endrin ketone	7.01	7.00	7.00	7.00	7.00	7.00	6.90	7.10
gamma-BHC (Lindane)	3.75	3.73	3.73	3.73	3.73	3.74	3.64	3.84
gamma-Chlordane	5.15	5.13	5.13	5.13	5.13	5.13	5.03	5.23
Heptachlor	4.10	4.09	4.09	4.09	4.09	4.09	3.99	4.19
Heptachlor epoxide	4.89	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Methoxychlor	6.77	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Tetrachloro-m-xylene	2.90	2.88	2.88	2.88	2.88	2.89	2.79	2.99

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: **CF 100 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2657600000	2587000000	2495010000	2376000000	2459180000	2514960000	4
4,4'-DDE	3466910000	3527170000	3240150000	3071100000	3185920000	3298250000	6
4,4'-DDT	2923480000	2868140000	2755010000	2629860000	2711210000	2777540000	4
Aldrin	4191470000	4069870000	3911790000	3719150000	3855640000	3949580000	5
alpha-BHC	4782950000	4593760000	4340800000	3973660000	3868810000	4312000000	9
alpha-Chlordane	3710340000	3625070000	3529520000	3426410000	3756540000	3609580000	4
beta-BHC	1604490000	1589200000	1578990000	1584140000	1760080000	1623380000	5
Decachlorobiphenyl	3080820000	3141130000	3178140000	3290360000	3850090000	3308110000	9
delta-BHC	4445160000	4282700000	4075760000	3850890000	3970360000	4124970000	6
Dieldrin	3750160000	3656120000	3530390000	3371440000	3534380000	3568500000	4
Endosulfan I	3450340000	3397670000	3304040000	3218140000	3515550000	3377150000	3
Endosulfan II	3104130000	3060790000	3007520000	2974690000	3483940000	3126210000	7
Endosulfan sulfate	2896970000	2846150000	2807570000	2774020000	3054470000	2875840000	4
Endrin	3128180000	3077300000	2935450000	2806460000	2965440000	2982570000	4
Endrin aldehyde	2295010000	2267800000	2246870000	2234480000	2495770000	2307990000	5
Endrin ketone	3128590000	3073520000	3037500000	2978380000	3214900000	3086580000	3
gamma-BHC (Lindane)	4507210000	4365130000	4155030000	3887470000	4022700000	4187510000	6
gamma-Chlordane	3757550000	3698080000	3536270000	3403020000	3715340000	3622050000	4
Heptachlor	4264490000	4159110000	3978190000	3781390000	4011590000	4038950000	5
Heptachlor epoxide	3670910000	3598060000	3486330000	3389810000	3724620000	3573950000	4
Methoxychlor	1461300000	1466360000	1467850000	1483290000	1618930000	1499540000	4
Tetrachloro-m-xylene	1982340000	2006790000	1938680000	1923660000	2135510000	1997400000	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: **CF 100 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	15154700000	15403900000	15792200000	16361000000	19219200000	16386200000	10
4,4'-DDE	18345500000	18580000000	18872600000	19581800000	23090100000	19694000000	10
4,4'-DDT	16431600000	16496500000	16745700000	17063800000	18344900000	17016500000	5
Aldrin	19439700000	19604700000	20000000000	20715500000	24254000000	20802800000	10
alpha-BHC	21913500000	21830800000	22090400000	22519000000	25954000000	22861500000	8
alpha-Chlordane	18192600000	18348900000	18755200000	19456000000	23261200000	19602800000	11
beta-BHC	8473900000	8575290000	8847480000	9292470000	11081500000	9254120000	12
Decachlorobiphenyl	16767000000	17098200000	17470300000	18387600000	22674800000	18479600000	13
delta-BHC	20178700000	20191000000	20473400000	21031900000	24432800000	21261600000	9
Dieldrin	18536800000	18713100000	19146400000	19886400000	23381600000	19932900000	10
Endosulfan I	16448300000	16734000000	17246700000	18063400000	21569900000	18012500000	12
Endosulfan II	16009800000	16237000000	16737800000	17531800000	21092000000	17521700000	12
Endosulfan sulfate	15629000000	15901000000	16419300000	17200300000	20516600000	17133200000	12
Endrin	16756200000	17001500000	17464500000	18215500000	21574100000	18202300000	11
Endrin aldehyde	12064300000	12278200000	12707200000	13348200000	16106900000	13301000000	12
Endrin ketone	16996600000	17264900000	17905300000	18780200000	22573200000	18704000000	12
gamma-BHC (Lindane)	20140800000	20226900000	20558100000	21137200000	25630400000	21538700000	11
gamma-Chlordane	18960000000	19062800000	19437200000	20086800000	23933100000	20296000000	10
Heptachlor	19826900000	20021500000	20522700000	21298800000	25320700000	21398100000	11
Heptachlor epoxide	17359900000	17576100000	18079700000	18879200000	22576700000	18894300000	11
Methoxychlor	8272330000	8467510000	8839240000	9290490000	10735700000	9121060000	11
Tetrachloro-m-xylene	13615300000	13685800000	14010800000	14551200000	17245000000	14621600000	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D **Date(s) Analyzed:** 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.24	6.14	6.34	23597900
		2	6.44	6.34	6.54	34064600
		3	7.15	7.05	7.25	65326300
		4	7.57	7.47	7.67	82045400
		5	7.93	7.83	8.03	47715200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D **Date(s) Analyzed:** 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.48	5.38	5.58	130682000
		2	5.65	5.55	5.75	89513500
		3	6.76	6.66	6.86	417352000
		4	7.20	7.10	7.30	302911000
		5	7.33	7.23	7.43	207761000

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID: RT 100 = PL095329.D RT 075 = PL095330.D

RT 050 = PL095331.D RT 025 = PL095332.D RT 005 = PL095333.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
4,4'-DDE	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
4,4'-DDT	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aldrin	5.32	5.32	5.32	5.32	5.32	5.32	5.22	5.42
alpha-BHC	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
alpha-Chlordane	6.07	6.08	6.08	6.08	6.07	6.07	5.97	6.17
beta-BHC	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Decachlorobiphenyl	9.12	9.12	9.12	9.12	9.12	9.12	9.02	9.22
delta-BHC	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Dieldrin	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Endosulfan I	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endosulfan II	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Endosulfan sulfate	7.20	7.20	7.20	7.20	7.20	7.20	7.10	7.30
Endrin	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Endrin aldehyde	6.96	6.97	6.96	6.97	6.96	6.96	6.86	7.06
Endrin ketone	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
gamma-BHC (Lindane)	4.38	4.38	4.38	4.38	4.38	4.38	4.28	4.48
gamma-Chlordane	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Heptachlor	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor epoxide	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Methoxychlor	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Tetrachloro-m-xylene	3.60	3.60	3.60	3.60	3.60	3.60	3.50	3.70

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID: RT 100 = PL095329.D RT 075 = PL095330.D

RT 050 = PL095331.D RT 025 = PL095332.D RT 005 = PL095333.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
4,4'-DDE	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
4,4'-DDT	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
Aldrin	4.39	4.39	4.39	4.39	4.39	4.39	4.29	4.49
alpha-BHC	3.42	3.42	3.42	3.42	3.42	3.42	3.32	3.52
alpha-Chlordane	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
beta-BHC	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Decachlorobiphenyl	8.09	8.09	8.09	8.09	8.09	8.09	7.99	8.19
delta-BHC	4.28	4.28	4.28	4.28	4.28	4.28	4.18	4.38
Dieldrin	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Endosulfan I	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
Endosulfan II	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Endosulfan sulfate	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Endrin	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Endrin aldehyde	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Endrin ketone	7.00	7.01	7.00	7.01	7.00	7.00	6.90	7.10
gamma-BHC (Lindane)	3.75	3.75	3.75	3.75	3.75	3.75	3.65	3.85
gamma-Chlordane	5.15	5.15	5.15	5.15	5.15	5.15	5.05	5.25
Heptachlor	4.11	4.11	4.10	4.11	4.10	4.10	4.00	4.20
Heptachlor epoxide	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Methoxychlor	6.78	6.78	6.78	6.78	6.77	6.77	6.67	6.87
Tetrachloro-m-xylene	2.91	2.91	2.91	2.91	2.91	2.91	2.81	3.01

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L

Calibration Date(s): 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID: **CF 100 =** PL095329.D **CF 075 =** PL095330.D

CF 050 = PL095331.D **CF 025 =** PL095332.D **CF 005 =** PL095333.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2865080000	2820110000	2707400000	2820390000	2941790000	2830960000	3
4,4'-DDE	3926930000	3864370000	3733720000	3923550000	4154180000	3920550000	4
4,4'-DDT	2903290000	2865670000	2760290000	2861180000	2852460000	2848580000	2
Aldrin	4647840000	4586260000	4401320000	4541780000	4787920000	4593020000	3
alpha-BHC	5150700000	5065320000	4774330000	4852360000	4926030000	4953750000	3
alpha-Chlordane	4076760000	4030350000	3886010000	4083630000	4253720000	4066090000	3
beta-BHC	2022450000	2016400000	1965250000	2085680000	2247800000	2067520000	5
Decachlorobiphenyl	2647270000	2643130000	2643240000	2821430000	3098960000	2770810000	7
delta-BHC	4738070000	4633190000	4424190000	4566110000	4891850000	4650680000	4
Dieldrin	3906950000	3842890000	3678670000	3851250000	3994310000	3854810000	3
Endosulfan I	3770440000	3742230000	3626630000	3786630000	4061610000	3797510000	4
Endosulfan II	3128440000	3103520000	3002730000	3212680000	3513410000	3192160000	6
Endosulfan sulfate	2745420000	2730650000	2668320000	2842960000	3021620000	2801790000	5
Endrin	3180610000	3135010000	3029370000	3189370000	3389380000	3184750000	4
Endrin aldehyde	2276780000	2261540000	2217540000	2374650000	2473490000	2320800000	4
Endrin ketone	2808150000	2785670000	2719210000	2881190000	3060160000	2850880000	5
gamma-BHC (Lindane)	4856470000	4786000000	4549760000	4668080000	4809580000	4733980000	3
gamma-Chlordane	4124190000	4059250000	3905550000	4078750000	4229020000	4079350000	3
Heptachlor	4568820000	4531980000	4377790000	4575770000	4817970000	4574470000	3
Heptachlor epoxide	3988500000	3934340000	3801190000	4031630000	4270090000	4005150000	4
Methoxychlor	1352180000	1349600000	1330140000	1425930000	1517800000	1395130000	6
Tetrachloro-m-xylene	3234910000	3230840000	3121140000	3291160000	3445310000	3264670000	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L

Calibration Date(s): 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID: **CF 100 =** PL095329.D **CF 075 =** PL095330.D

CF 050 = PL095331.D **CF 025 =** PL095332.D **CF 005 =** PL095333.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3451170000	3194300000	3089420000	3267920000	3331160000	3266790000	4
4,4'-DDE	4259410000	3966100000	3865330000	4094560000	4149440000	4066970000	4
4,4'-DDT	3670140000	3377430000	3277310000	3441260000	3414750000	3436180000	4
Aldrin	4336230000	4110670000	3932000000	4090330000	4109170000	4115680000	4
alpha-BHC	4736540000	4516850000	4297240000	4349260000	4343700000	4448720000	4
alpha-Chlordane	4133620000	3862560000	3765120000	4001070000	4142940000	3981060000	4
beta-BHC	2067890000	1993150000	1943400000	2123640000	2251240000	2075870000	6
Decachlorobiphenyl	3012930000	2805190000	2819260000	3040170000	3118780000	2959270000	5
delta-BHC	4648560000	4403980000	4210640000	4308090000	4338550000	4381960000	4
Dieldrin	4236430000	3965120000	3821410000	4048720000	4263750000	4067090000	5
Endosulfan I	3807730000	3560790000	3497100000	3705930000	3730570000	3660420000	3
Endosulfan II	3698040000	3467810000	3383890000	3618180000	3787600000	3591100000	5
Endosulfan sulfate	3392490000	3183240000	3137080000	3349770000	3527070000	3317930000	5
Endrin	3800710000	3545950000	3460240000	3666780000	3729930000	3640720000	4
Endrin aldehyde	2674690000	2521940000	2472880000	2646040000	2750240000	2613160000	4
Endrin ketone	3628850000	3413660000	3354790000	3555450000	3653710000	3521290000	4
gamma-BHC (Lindane)	4631690000	4416100000	4228420000	4346320000	4368600000	4398230000	3
gamma-Chlordane	4227760000	3927530000	3820020000	4050010000	4238020000	4052670000	5
Heptachlor	4496590000	4284140000	4154420000	4363150000	4485210000	4356700000	3
Heptachlor epoxide	3969410000	3758210000	3669420000	3887920000	4028340000	3862660000	4
Methoxychlor	1917900000	1805540000	1811740000	1949450000	2052510000	1907430000	5
Tetrachloro-m-xylene	3206620000	3119570000	3030900000	3186820000	3354850000	3179750000	4

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L **Date(s) Analyzed:** 04/23/2025 04/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.29	6.19	6.39	28235200
		2	6.49	6.39	6.59	39421500
		3	7.10	7.00	7.20	96309000
		4	7.19	7.09	7.29	70316900
		5	7.97	7.87	8.07	49098200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L **Date(s) Analyzed:** 04/23/2025 04/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.17	5.07	5.27	24602200
		2	5.49	5.39	5.59	23566500
		3	5.85	5.75	5.95	25599600
		4	6.77	6.67	6.87	76845100
		5	7.21	7.11	7.31	55473400

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:00 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:00 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088434.D **Time Analyzed:** 17:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	56.580	50.000	13.2
4,4'-DDE	6.197	6.097	6.297	55.070	50.000	10.1
4,4'-DDT	7.022	6.922	7.122	55.680	50.000	11.4
Aldrin	5.272	5.173	5.373	55.840	50.000	11.7
alpha-BHC	4.000	3.901	4.101	56.080	50.000	12.2
alpha-Chlordane	6.028	5.929	6.129	55.480	50.000	11.0
beta-BHC	4.516	4.416	4.616	54.220	50.000	8.4
Decachlorobiphenyl	9.075	8.975	9.175	53.340	50.000	6.7
delta-BHC	4.764	4.665	4.865	55.650	50.000	11.3
Dieldrin	6.348	6.249	6.449	55.760	50.000	11.5
Endosulfan I	6.075	5.976	6.176	55.130	50.000	10.3
Endosulfan II	6.787	6.687	6.887	54.420	50.000	8.8
Endosulfan sulfate	7.150	7.050	7.250	55.170	50.000	10.3
Endrin	6.576	6.476	6.676	55.920	50.000	11.8
Endrin aldehyde	6.916	6.816	7.016	55.830	50.000	11.7
Endrin ketone	7.631	7.531	7.731	55.550	50.000	11.1
gamma-BHC (Lindane)	4.331	4.232	4.432	54.990	50.000	10.0
gamma-Chlordane	5.947	5.847	6.047	55.410	50.000	10.8
Heptachlor	4.930	4.831	5.031	55.690	50.000	11.4
Heptachlor epoxide	5.691	5.592	5.792	55.150	50.000	10.3
Methoxychlor	7.494	7.395	7.595	54.990	50.000	10.0
Tetrachloro-m-xylene	3.551	3.452	3.652	53.540	50.000	7.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088434.D **Time Analyzed:** 17:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	52.600	50.000	5.2
4,4'-DDE	5.378	5.280	5.480	53.540	50.000	7.1
4,4'-DDT	6.186	6.088	6.288	53.240	50.000	6.5
Aldrin	4.371	4.273	4.473	52.680	50.000	5.4
alpha-BHC	3.395	3.296	3.496	51.780	50.000	3.6
alpha-Chlordane	5.193	5.094	5.294	51.660	50.000	3.3
beta-BHC	4.027	3.928	4.128	51.200	50.000	2.4
Decachlorobiphenyl	8.076	7.977	8.177	51.180	50.000	2.4
delta-BHC	4.264	4.165	4.365	52.070	50.000	4.1
Dieldrin	5.515	5.417	5.617	52.210	50.000	4.4
Endosulfan I	5.249	5.151	5.351	49.810	50.000	-0.4
Endosulfan II	6.082	5.984	6.184	51.940	50.000	3.9
Endosulfan sulfate	6.485	6.386	6.586	52.030	50.000	4.1
Endrin	5.791	5.693	5.893	52.470	50.000	4.9
Endrin aldehyde	6.261	6.163	6.363	52.440	50.000	4.9
Endrin ketone	6.994	6.895	7.095	52.050	50.000	4.1
gamma-BHC (Lindane)	3.731	3.633	3.833	51.100	50.000	2.2
gamma-Chlordane	5.128	5.030	5.230	51.820	50.000	3.6
Heptachlor	4.085	3.986	4.186	51.480	50.000	3.0
Heptachlor epoxide	4.875	4.777	4.977	51.660	50.000	3.3
Methoxychlor	6.757	6.659	6.859	52.930	50.000	5.9
Tetrachloro-m-xylene	2.882	2.783	2.983	51.060	50.000	2.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 18:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 18:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088440.D **Time Analyzed:** 18:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.606	6.806	55.120	50.000	10.2
4,4'-DDE	6.196	6.097	6.297	53.580	50.000	7.2
4,4'-DDT	7.021	6.922	7.122	54.480	50.000	9.0
Aldrin	5.271	5.173	5.373	54.580	50.000	9.2
alpha-BHC	4.000	3.901	4.101	54.730	50.000	9.5
alpha-Chlordane	6.027	5.929	6.129	54.110	50.000	8.2
beta-BHC	4.515	4.416	4.616	52.990	50.000	6.0
Decachlorobiphenyl	9.074	8.975	9.175	52.380	50.000	4.8
delta-BHC	4.763	4.665	4.865	54.300	50.000	8.6
Dieldrin	6.347	6.249	6.449	54.450	50.000	8.9
Endosulfan I	6.074	5.976	6.176	53.850	50.000	7.7
Endosulfan II	6.786	6.687	6.887	53.120	50.000	6.2
Endosulfan sulfate	7.150	7.050	7.250	53.970	50.000	7.9
Endrin	6.574	6.476	6.676	54.410	50.000	8.8
Endrin aldehyde	6.915	6.816	7.016	54.450	50.000	8.9
Endrin ketone	7.630	7.531	7.731	54.500	50.000	9.0
gamma-BHC (Lindane)	4.330	4.232	4.432	53.830	50.000	7.7
gamma-Chlordane	5.946	5.847	6.047	53.960	50.000	7.9
Heptachlor	4.930	4.831	5.031	54.600	50.000	9.2
Heptachlor epoxide	5.691	5.592	5.792	53.570	50.000	7.1
Methoxychlor	7.493	7.395	7.595	53.870	50.000	7.7
Tetrachloro-m-xylene	3.550	3.452	3.652	52.440	50.000	4.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088440.D **Time Analyzed:** 18:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	51.020	50.000	2.0
4,4'-DDE	5.376	5.280	5.480	50.630	50.000	1.3
4,4'-DDT	6.186	6.088	6.288	51.610	50.000	3.2
Aldrin	4.371	4.273	4.473	51.050	50.000	2.1
alpha-BHC	3.395	3.296	3.496	50.150	50.000	0.3
alpha-Chlordane	5.192	5.094	5.294	50.030	50.000	0.1
beta-BHC	4.027	3.928	4.128	49.560	50.000	-0.9
Decachlorobiphenyl	8.075	7.977	8.177	49.950	50.000	-0.1
delta-BHC	4.264	4.165	4.365	50.480	50.000	1.0
Dieldrin	5.515	5.417	5.617	50.490	50.000	1.0
Endosulfan I	5.249	5.151	5.351	48.260	50.000	-3.5
Endosulfan II	6.082	5.984	6.184	50.330	50.000	0.7
Endosulfan sulfate	6.484	6.386	6.586	50.330	50.000	0.7
Endrin	5.791	5.693	5.893	50.750	50.000	1.5
Endrin aldehyde	6.260	6.163	6.363	50.650	50.000	1.3
Endrin ketone	6.994	6.895	7.095	50.560	50.000	1.1
gamma-BHC (Lindane)	3.731	3.633	3.833	49.490	50.000	-1.0
gamma-Chlordane	5.128	5.030	5.230	50.160	50.000	0.3
Heptachlor	4.085	3.986	4.186	49.730	50.000	-0.5
Heptachlor epoxide	4.875	4.777	4.977	50.030	50.000	0.1
Methoxychlor	6.757	6.659	6.859	51.320	50.000	2.6
Tetrachloro-m-xylene	2.882	2.783	2.983	49.450	50.000	-1.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 12:51 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.60	3.60	3.50	3.70	0.00
alpha-BHC	4.05	4.05	3.95	4.15	0.00
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.98	4.98	4.88	5.08	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.20	7.20	7.10	7.30	0.00
4,4'-DDT	7.07	7.07	6.97	7.17	0.00
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 12:51 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.29	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.76	3.75	3.65	3.85	-0.01
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.90	4.89	4.79	4.99	-0.01
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.21	6.20	6.10	6.30	-0.01
Methoxychlor	6.78	6.78	6.68	6.88	0.00
Endrin ketone	7.01	7.00	6.90	7.10	-0.01
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095562.D **Time Analyzed:** 12:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.750	6.653	6.853	47.930	50.000	-4.1
4,4'-DDE	6.241	6.143	6.343	44.580	50.000	-10.8
4,4'-DDT	7.065	6.969	7.169	46.230	50.000	-7.5
Aldrin	5.317	5.218	5.418	45.200	50.000	-9.6
alpha-BHC	4.046	3.946	4.146	42.420	50.000	-15.2
alpha-Chlordane	6.072	5.975	6.175	46.510	50.000	-7.0
beta-BHC	4.563	4.464	4.664	42.780	50.000	-14.4
Decachlorobiphenyl	9.119	9.022	9.222	43.410	50.000	-13.2
delta-BHC	4.810	4.712	4.912	43.730	50.000	-12.5
Dieldrin	6.394	6.296	6.496	45.950	50.000	-8.1
Endosulfan I	6.120	6.023	6.223	45.890	50.000	-8.2
Endosulfan II	6.832	6.735	6.935	49.680	50.000	-0.6
Endosulfan sulfate	7.195	7.098	7.298	47.500	50.000	-5.0
Endrin	6.620	6.523	6.723	46.610	50.000	-6.8
Endrin aldehyde	6.961	6.864	7.064	47.100	50.000	-5.8
Endrin ketone	7.677	7.579	7.779	46.190	50.000	-7.6
gamma-BHC (Lindane)	4.376	4.277	4.477	42.940	50.000	-14.1
gamma-Chlordane	5.991	5.894	6.094	47.060	50.000	-5.9
Heptachlor	4.975	4.876	5.076	43.410	50.000	-13.2
Heptachlor epoxide	5.736	5.639	5.839	47.050	50.000	-5.9
Methoxychlor	7.537	7.440	7.640	45.900	50.000	-8.2
Tetrachloro-m-xylene	3.595	3.495	3.695	42.360	50.000	-15.3

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095562.D **Time Analyzed:** 12:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.952	5.849	6.049	54.080	50.000	8.2
4,4'-DDE	5.399	5.297	5.497	51.030	50.000	2.1
4,4'-DDT	6.206	6.104	6.304	53.070	50.000	6.1
Aldrin	4.393	4.290	4.490	53.940	50.000	7.9
alpha-BHC	3.422	3.316	3.516	55.360	50.000	10.7
alpha-Chlordane	5.214	5.111	5.311	52.930	50.000	5.9
beta-BHC	4.049	3.944	4.144	52.020	50.000	4.0
Decachlorobiphenyl	8.090	7.989	8.189	45.640	50.000	-8.7
delta-BHC	4.285	4.180	4.380	54.260	50.000	8.5
Dieldrin	5.534	5.432	5.632	54.340	50.000	8.7
Endosulfan I	5.270	5.167	5.367	47.690	50.000	-4.6
Endosulfan II	6.100	5.997	6.197	51.990	50.000	4.0
Endosulfan sulfate	6.502	6.398	6.598	51.270	50.000	2.5
Endrin	5.809	5.707	5.907	55.690	50.000	11.4
Endrin aldehyde	6.278	6.175	6.375	52.000	50.000	4.0
Endrin ketone	7.007	6.904	7.104	58.750	50.000	17.5
gamma-BHC (Lindane)	3.755	3.650	3.850	53.480	50.000	7.0
gamma-Chlordane	5.149	5.047	5.247	52.660	50.000	5.3
Heptachlor	4.109	4.004	4.204	51.890	50.000	3.8
Heptachlor epoxide	4.897	4.793	4.993	52.620	50.000	5.2
Methoxychlor	6.775	6.675	6.875	51.610	50.000	3.2
Tetrachloro-m-xylene	2.912	2.806	3.006	50.590	50.000	1.2

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 16:37 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.60	3.60	3.50	3.70	0.00
alpha-BHC	4.05	4.05	3.95	4.15	0.00
beta-BHC	4.57	4.56	4.46	4.66	-0.01
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.98	4.98	4.88	5.08	0.00
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.40	6.40	6.30	6.50	0.00
4,4'-DDE	6.25	6.24	6.14	6.34	0.00
Endrin	6.63	6.62	6.52	6.72	-0.01
Endosulfan II	6.84	6.84	6.74	6.94	0.00
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.20	7.20	7.10	7.30	0.00
4,4'-DDT	7.07	7.07	6.97	7.17	0.00
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.97	6.96	6.86	7.06	-0.01
alpha-Chlordane	6.08	6.08	5.98	6.18	0.00
gamma-Chlordane	6.00	5.99	5.89	6.09	-0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 16:37 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.90	4.89	4.79	4.99	-0.01
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.21	6.20	6.10	6.30	-0.01
Methoxychlor	6.78	6.78	6.68	6.88	0.00
Endrin ketone	7.01	7.00	6.90	7.10	-0.01
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095567.D **Time Analyzed:** 16:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.754	6.653	6.853	46.660	50.000	-6.7
4,4'-DDE	6.245	6.143	6.343	46.650	50.000	-6.7
4,4'-DDT	7.070	6.969	7.169	44.100	50.000	-11.8
Aldrin	5.321	5.218	5.418	44.920	50.000	-10.2
alpha-BHC	4.049	3.946	4.146	42.200	50.000	-15.6
alpha-Chlordane	6.076	5.975	6.175	46.090	50.000	-7.8
beta-BHC	4.566	4.464	4.664	42.620	50.000	-14.8
Decachlorobiphenyl	9.124	9.022	9.222	42.350	50.000	-15.3
delta-BHC	4.813	4.712	4.912	42.250	50.000	-15.5
Dieldrin	6.398	6.296	6.496	44.760	50.000	-10.5
Endosulfan I	6.124	6.023	6.223	45.940	50.000	-8.1
Endosulfan II	6.837	6.735	6.935	46.120	50.000	-7.8
Endosulfan sulfate	7.199	7.098	7.298	45.280	50.000	-9.4
Endrin	6.625	6.523	6.723	42.070	50.000	-15.9
Endrin aldehyde	6.966	6.864	7.064	44.530	50.000	-10.9
Endrin ketone	7.681	7.579	7.779	45.560	50.000	-8.9
gamma-BHC (Lindane)	4.379	4.277	4.477	42.250	50.000	-15.5
gamma-Chlordane	5.996	5.894	6.094	46.750	50.000	-6.5
Heptachlor	4.979	4.876	5.076	42.540	50.000	-14.9
Heptachlor epoxide	5.741	5.639	5.839	46.520	50.000	-7.0
Methoxychlor	7.540	7.440	7.640	43.030	50.000	-13.9
Tetrachloro-m-xylene	3.596	3.495	3.695	44.430	50.000	-11.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095567.D **Time Analyzed:** 16:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.952	5.849	6.049	56.560	50.000	13.1
4,4'-DDE	5.399	5.297	5.497	53.230	50.000	6.5
4,4'-DDT	6.206	6.104	6.304	53.990	50.000	8.0
Aldrin	4.392	4.290	4.490	55.460	50.000	10.9
alpha-BHC	3.419	3.316	3.516	56.680	50.000	13.4
alpha-Chlordane	5.213	5.111	5.311	53.380	50.000	6.8
beta-BHC	4.047	3.944	4.144	52.080	50.000	4.2
Decachlorobiphenyl	8.091	7.989	8.189	46.810	50.000	-6.4
delta-BHC	4.283	4.180	4.380	55.870	50.000	11.7
Dieldrin	5.534	5.432	5.632	54.500	50.000	9.0
Endosulfan I	5.269	5.167	5.367	55.010	50.000	10.0
Endosulfan II	6.100	5.997	6.197	54.330	50.000	8.7
Endosulfan sulfate	6.502	6.398	6.598	53.380	50.000	6.8
Endrin	5.810	5.707	5.907	53.640	50.000	7.3
Endrin aldehyde	6.278	6.175	6.375	53.250	50.000	6.5
Endrin ketone	7.007	6.904	7.104	57.570	50.000	15.1
gamma-BHC (Lindane)	3.752	3.650	3.850	54.620	50.000	9.2
gamma-Chlordane	5.149	5.047	5.247	53.610	50.000	7.2
Heptachlor	4.107	4.004	4.204	53.010	50.000	6.0
Heptachlor epoxide	4.896	4.793	4.993	54.060	50.000	8.1
Methoxychlor	6.776	6.675	6.875	51.400	50.000	2.8
Tetrachloro-m-xylene	2.909	2.806	3.006	52.270	50.000	4.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.04	4.05	3.95	4.15	0.01
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.37	4.38	4.28	4.48	0.01
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.19	7.20	7.10	7.30	0.01
4,4'-DDT	7.06	7.07	6.97	7.17	0.01
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.29	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.76	3.75	3.65	3.85	-0.01
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.90	4.89	4.79	4.99	-0.01
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.54	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.21	6.20	6.10	6.30	-0.01
Methoxychlor	6.78	6.78	6.68	6.88	0.00
Endrin ketone	7.01	7.00	6.90	7.10	-0.01
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095577.D **Time Analyzed:** 18:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.749	6.653	6.853	46.800	50.000	-6.4
4,4'-DDE	6.240	6.143	6.343	46.740	50.000	-6.5
4,4'-DDT	7.064	6.969	7.169	44.420	50.000	-11.2
Aldrin	5.315	5.218	5.418	45.540	50.000	-8.9
alpha-BHC	4.044	3.946	4.146	44.180	50.000	-11.6
alpha-Chlordane	6.071	5.975	6.175	46.290	50.000	-7.4
beta-BHC	4.561	4.464	4.664	44.510	50.000	-11.0
Decachlorobiphenyl	9.118	9.022	9.222	42.530	50.000	-14.9
delta-BHC	4.808	4.712	4.912	43.800	50.000	-12.4
Dieldrin	6.392	6.296	6.496	44.640	50.000	-10.7
Endosulfan I	6.117	6.023	6.223	44.870	50.000	-10.3
Endosulfan II	6.832	6.735	6.935	46.170	50.000	-7.7
Endosulfan sulfate	7.194	7.098	7.298	44.770	50.000	-10.5
Endrin	6.619	6.523	6.723	42.540	50.000	-14.9
Endrin aldehyde	6.960	6.864	7.064	44.950	50.000	-10.1
Endrin ketone	7.675	7.579	7.779	45.180	50.000	-9.6
gamma-BHC (Lindane)	4.373	4.277	4.477	44.080	50.000	-11.8
gamma-Chlordane	5.990	5.894	6.094	47.250	50.000	-5.5
Heptachlor	4.973	4.876	5.076	43.790	50.000	-12.4
Heptachlor epoxide	5.736	5.639	5.839	47.160	50.000	-5.7
Methoxychlor	7.536	7.440	7.640	43.450	50.000	-13.1
Tetrachloro-m-xylene	3.593	3.495	3.695	44.830	50.000	-10.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095577.D **Time Analyzed:** 18:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.952	5.849	6.049	56.450	50.000	12.9
4,4'-DDE	5.400	5.297	5.497	53.680	50.000	7.4
4,4'-DDT	6.206	6.104	6.304	53.250	50.000	6.5
Aldrin	4.394	4.290	4.490	57.080	50.000	14.2
alpha-BHC	3.421	3.316	3.516	58.790	50.000	17.6
alpha-Chlordane	5.214	5.111	5.311	53.850	50.000	7.7
beta-BHC	4.048	3.944	4.144	53.480	50.000	7.0
Decachlorobiphenyl	8.090	7.989	8.189	45.300	50.000	-9.4
delta-BHC	4.285	4.180	4.380	57.320	50.000	14.6
Dieldrin	5.535	5.432	5.632	55.040	50.000	10.1
Endosulfan I	5.270	5.167	5.367	55.650	50.000	11.3
Endosulfan II	6.100	5.997	6.197	53.890	50.000	7.8
Endosulfan sulfate	6.501	6.398	6.598	51.830	50.000	3.7
Endrin	5.810	5.707	5.907	53.760	50.000	7.5
Endrin aldehyde	6.278	6.175	6.375	52.500	50.000	5.0
Endrin ketone	7.008	6.904	7.104	55.970	50.000	11.9
gamma-BHC (Lindane)	3.755	3.650	3.850	56.430	50.000	12.9
gamma-Chlordane	5.149	5.047	5.247	54.190	50.000	8.4
Heptachlor	4.108	4.004	4.204	54.400	50.000	8.8
Heptachlor epoxide	4.896	4.793	4.993	55.170	50.000	10.3
Methoxychlor	6.776	6.675	6.875	50.710	50.000	1.4
Tetrachloro-m-xylene	2.912	2.806	3.006	53.780	50.000	7.6

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D **Date Analyzed:** 04/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.075	8.970	9.180	23.220	20.000	16.1
Tetrachloro-m-xylene	3.551	3.500	3.600	21.610	20.000	8.1
alpha-BHC	4.000	3.950	4.050	9.950	10.000	-0.5
beta-BHC	4.516	4.470	4.570	11.360	10.000	13.6
gamma-BHC (Lindane)	4.331	4.280	4.380	10.480	10.000	4.8
Endrin	6.576	6.510	6.650	51.530	50.000	3.1
4,4'-DDT	7.023	6.950	7.090	110.510	100.000	10.5
Methoxychlor	7.494	7.420	7.560	265.100	250.000	6.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D **Date Analyzed:** 04/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.076	7.980	8.180	22.950	20.000	14.8
Tetrachloro-m-xylene	2.883	2.830	2.930	22.200	20.000	11.0
alpha-BHC	3.396	3.350	3.450	11.720	10.000	17.2
beta-BHC	4.028	3.980	4.080	12.460	10.000	24.6
gamma-BHC (Lindane)	3.732	3.680	3.780	11.580	10.000	15.8
Endrin	5.793	5.720	5.860	49.780	50.000	-0.4
4,4'-DDT	6.187	6.120	6.260	102.610	100.000	2.6
Methoxychlor	6.758	6.690	6.830	215.580	250.000	-13.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088433.D **Date Analyzed:** 05/08/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 16:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.076	8.980	9.180	24.700	20.000	23.5
Tetrachloro-m-xylene	3.550	3.500	3.600	22.670	20.000	13.4
alpha-BHC	3.999	3.950	4.050	10.390	10.000	3.9
beta-BHC	4.516	4.470	4.570	11.790	10.000	17.9
gamma-BHC (Lindane)	4.331	4.280	4.380	10.610	10.000	6.1
Endrin	6.576	6.510	6.650	58.900	50.000	17.8
4,4'-DDT	7.023	6.950	7.090	119.050	100.000	19.1
Methoxychlor	7.495	7.420	7.570	272.320	250.000	8.9

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088433.D **Date Analyzed:** 05/08/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 16:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.075	7.970	8.180	23.940	20.000	19.7
Tetrachloro-m-xylene	2.882	2.830	2.930	22.590	20.000	13.0
alpha-BHC	3.394	3.340	3.440	11.830	10.000	18.3
beta-BHC	4.027	3.980	4.080	12.330	10.000	23.3
gamma-BHC (Lindane)	3.731	3.680	3.780	11.790	10.000	17.9
Endrin	5.791	5.720	5.860	55.640	50.000	11.3
4,4'-DDT	6.186	6.120	6.260	107.920	100.000	7.9
Methoxychlor	6.757	6.690	6.830	224.250	250.000	-10.3

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095327.D **Date Analyzed:** 04/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:04

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.122	9.020	9.220	23.490	20.000	17.5
Tetrachloro-m-xylene	3.594	3.540	3.640	22.530	20.000	12.7
alpha-BHC	4.045	3.990	4.100	10.950	10.000	9.5
beta-BHC	4.563	4.510	4.610	10.960	10.000	9.6
gamma-BHC (Lindane)	4.375	4.320	4.430	11.240	10.000	12.4
Endrin	6.622	6.550	6.690	54.830	50.000	9.7
4,4'-DDT	7.067	7.000	7.140	112.580	100.000	12.6
Methoxychlor	7.538	7.470	7.610	265.190	250.000	6.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095327.D **Date Analyzed:** 04/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:04

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.089	7.990	8.190	23.100	20.000	15.5
Tetrachloro-m-xylene	2.905	2.850	2.960	22.790	20.000	14.0
alpha-BHC	3.415	3.360	3.470	11.050	10.000	10.5
beta-BHC	4.042	3.990	4.090	11.540	10.000	15.4
gamma-BHC (Lindane)	3.748	3.700	3.800	11.100	10.000	11.0
Endrin	5.806	5.740	5.880	57.180	50.000	14.4
4,4'-DDT	6.203	6.130	6.270	115.980	100.000	16.0
Methoxychlor	6.774	6.700	6.840	253.560	250.000	1.4

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095561.D **Date Analyzed:** 05/06/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.128	9.030	9.230	20.210	20.000	1.1
Tetrachloro-m-xylene	3.598	3.550	3.650	18.810	20.000	-6.0
alpha-BHC	4.051	4.000	4.100	8.870	10.000	-11.3
beta-BHC	4.569	4.520	4.620	9.280	10.000	-7.2
gamma-BHC (Lindane)	4.381	4.330	4.430	9.200	10.000	-8.0
Endrin	6.626	6.560	6.700	51.270	50.000	2.5
4,4'-DDT	7.073	7.000	7.140	99.920	100.000	-0.1
Methoxychlor	7.545	7.470	7.620	228.570	250.000	-8.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095561.D **Date Analyzed:** 05/06/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.092	7.990	8.190	21.100	20.000	5.5
Tetrachloro-m-xylene	2.909	2.860	2.960	21.840	20.000	9.2
alpha-BHC	3.419	3.370	3.470	11.780	10.000	17.8
beta-BHC	4.047	4.000	4.100	11.420	10.000	14.2
gamma-BHC (Lindane)	3.753	3.700	3.800	11.540	10.000	15.4
Endrin	5.810	5.740	5.880	54.960	50.000	9.9
4,4'-DDT	6.207	6.140	6.280	104.730	100.000	4.7
Methoxychlor	6.778	6.710	6.850	221.370	250.000	-11.5

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/18/2025 04/18/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	04/18/2025	13:15	PD088121.D	9.07	3.55
PEM	PEM	04/18/2025	13:29	PD088122.D	9.08	3.55
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	9.08	3.55
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	9.08	3.55
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	9.07	3.55
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	9.08	3.55
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	9.08	3.55
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	9.08	3.55
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	9.07	3.55
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	9.07	3.55
I.BLK	I.BLK	05/08/2025	16:33	PD088432.D	9.08	3.56
PEM	PEM	05/08/2025	16:47	PD088433.D	9.08	3.55
PSTDCCC050	PSTDCCC050	05/08/2025	17:00	PD088434.D	9.08	3.55
PB167914BL	PB167914BL	05/08/2025	17:14	PD088435.D	9.08	3.55
PB167914BS	PB167914BS	05/08/2025	17:27	PD088436.D	9.07	3.55
PB167914BSD	PB167914BSD	05/08/2025	17:41	PD088437.D	9.08	3.55
FB-05022025	Q1956-07	05/08/2025	17:55	PD088438.D	9.07	3.55
I.BLK	I.BLK	05/08/2025	18:08	PD088439.D	9.08	3.55
PSTDCCC050	PSTDCCC050	05/08/2025	18:22	PD088440.D	9.07	3.55
I.BLK	I.BLK	04/23/2025	10:50	PL095326.D	9.12	3.59
PEM	PEM	04/23/2025	11:04	PL095327.D	9.12	3.59
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	9.12	3.59
PSTDICC100	PSTDICC100	04/23/2025	11:31	PL095329.D	9.12	3.60
PSTDICC075	PSTDICC075	04/23/2025	11:45	PL095330.D	9.12	3.60
PSTDICC050	PSTDICC050	04/23/2025	11:59	PL095331.D	9.12	3.60
PSTDICC025	PSTDICC025	04/23/2025	12:12	PL095332.D	9.12	3.60
PSTDICC005	PSTDICC005	04/23/2025	12:26	PL095333.D	9.12	3.60
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	9.12	3.60
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	9.12	3.59
I.BLK	I.BLK	05/06/2025	10:13	PL095560.D	9.12	3.59
PEM	PEM	05/06/2025	12:38	PL095561.D	9.13	3.60
PSTDCCC050	PSTDCCC050	05/06/2025	12:51	PL095562.D	9.12	3.60
PB167878BL	PB167878BL	05/06/2025	13:56	PL095563.D	9.13	3.60
PB167878BS	PB167878BS	05/06/2025	14:26	PL095564.D	9.12	3.60
I.BLK	I.BLK	05/06/2025	14:56	PL095566.D	9.12	3.59
PSTDCCC050	PSTDCCC050	05/06/2025	16:37	PL095567.D	9.12	3.60
SB1-3-4	Q1956-01	05/06/2025	17:36	PL095571.D	9.12	3.59
SB2-4-5	Q1956-02	05/06/2025	17:50	PL095572.D	9.12	3.59
SB2-4-5MS	Q1956-03MS	05/06/2025	18:04	PL095573.D	9.12	3.59
SB2-4-5MSD	Q1956-04MSD	05/06/2025	18:17	PL095574.D	9.12	3.59
SB91-3-4	Q1956-06	05/06/2025	18:31	PL095575.D	9.12	3.59
I.BLK	I.BLK	05/06/2025	18:45	PL095576.D	9.12	3.59

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Analytical Sequence

PSTDCCC050	PSTDCCC050	05/06/2025	18:58	PL095577.D	9.12	3.59

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/18/2025 04/18/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	04/18/2025	13:15	PD088121.D	8.08	2.88
PEM	PEM	04/18/2025	13:29	PD088122.D	8.08	2.88
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	8.08	2.88
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	8.09	2.90
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	8.08	2.88
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	8.08	2.88
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	8.08	2.88
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	8.08	2.88
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	8.08	2.88
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	8.08	2.88
I.BLK	I.BLK	05/08/2025	16:33	PD088432.D	8.08	2.88
PEM	PEM	05/08/2025	16:47	PD088433.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/08/2025	17:00	PD088434.D	8.08	2.88
PB167914BL	PB167914BL	05/08/2025	17:14	PD088435.D	8.09	2.90
PB167914BS	PB167914BS	05/08/2025	17:27	PD088436.D	8.08	2.88
PB167914BSD	PB167914BSD	05/08/2025	17:41	PD088437.D	8.08	2.88
FB-05022025	Q1956-07	05/08/2025	17:55	PD088438.D	8.08	2.88
I.BLK	I.BLK	05/08/2025	18:08	PD088439.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/08/2025	18:22	PD088440.D	8.08	2.88
I.BLK	I.BLK	04/23/2025	10:50	PL095326.D	8.09	2.91
PEM	PEM	04/23/2025	11:04	PL095327.D	8.09	2.91
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	8.09	2.91
PSTDICC100	PSTDICC100	04/23/2025	11:31	PL095329.D	8.09	2.91
PSTDICC075	PSTDICC075	04/23/2025	11:45	PL095330.D	8.09	2.91
PSTDICC050	PSTDICC050	04/23/2025	11:59	PL095331.D	8.09	2.91
PSTDICC025	PSTDICC025	04/23/2025	12:12	PL095332.D	8.09	2.91
PSTDICC005	PSTDICC005	04/23/2025	12:26	PL095333.D	8.09	2.91
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	8.09	2.91
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	8.09	2.91
I.BLK	I.BLK	05/06/2025	10:13	PL095560.D	8.09	2.91
PEM	PEM	05/06/2025	12:38	PL095561.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/06/2025	12:51	PL095562.D	8.09	2.91
PB167878BL	PB167878BL	05/06/2025	13:56	PL095563.D	8.09	2.91
PB167878BS	PB167878BS	05/06/2025	14:26	PL095564.D	8.09	2.91
I.BLK	I.BLK	05/06/2025	14:56	PL095566.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/06/2025	16:37	PL095567.D	8.09	2.91
SB1-3-4	Q1956-01	05/06/2025	17:36	PL095571.D	8.09	2.91
SB2-4-5	Q1956-02	05/06/2025	17:50	PL095572.D	8.09	2.91
SB2-4-5MS	Q1956-03MS	05/06/2025	18:04	PL095573.D	8.09	2.91
SB2-4-5MSD	Q1956-04MSD	05/06/2025	18:17	PL095574.D	8.09	2.91
SB91-3-4	Q1956-06	05/06/2025	18:31	PL095575.D	8.09	2.91
I.BLK	I.BLK	05/06/2025	18:45	PL095576.D	8.09	2.91

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Analytical Sequence

PSTDCCC050	PSTDCCC050	05/06/2025	18:58	PL095577.D	8.09	2.91

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167878BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167878BS **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.75	6.70	6.80	16.0	17.7
	2	5.95	5.90	6.00	19.1	
4,4'-DDE	1	6.24	6.19	6.29	15.0	17.1
	2	5.40	5.35	5.45	17.8	
4,4'-DDT	1	7.07	7.02	7.12	15.8	14.1
	2	6.21	6.16	6.26	18.2	
alpha-BHC	1	4.05	4.00	4.10	14.0	29.3
	2	3.42	3.37	3.47	18.8	
Aldrin	1	5.32	5.27	5.37	14.9	21
	2	4.39	4.34	4.44	18.4	
alpha-Chlordane	1	6.07	6.02	6.12	15.4	14.5
	2	5.21	5.16	5.26	17.8	
Endosulfan II	1	6.83	6.78	6.88	15.5	16.6
	2	6.10	6.05	6.15	18.3	
Endosulfan sulfate	1	7.20	7.15	7.25	15.7	12.5
	2	6.50	6.45	6.55	17.8	
beta-BHC	1	4.56	4.51	4.61	14.3	18.4
	2	4.05	4.00	4.10	17.2	
delta-BHC	1	4.81	4.76	4.86	14.4	25.5
	2	4.28	4.23	4.33	18.6	
Endosulfan I	1	6.12	6.07	6.17	15.5	11.6
	2	5.27	5.22	5.32	17.4	
Dieldrin	1	6.39	6.34	6.44	15.4	20.9
	2	5.53	5.48	5.58	19.0	
Endrin aldehyde	1	6.96	6.91	7.01	15.8	15.7
	2	6.28	6.23	6.33	18.5	
Methoxychlor	1	7.54	7.49	7.59	14.8	16.7
	2	6.78	6.73	6.83	17.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167878BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167878BS **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.68	7.63	7.73	15.5	25.4
	2	7.01	6.96	7.06	20.0	
gamma-BHC (Lindane)	1	4.38	4.33	4.43	14.1	25.4
	2	3.75	3.70	3.80	18.2	
Heptachlor	1	4.98	4.93	5.03	14.3	20.7
	2	4.11	4.06	4.16	17.6	
Heptachlor epoxide	1	5.74	5.69	5.79	15.4	16.1
	2	4.90	4.85	4.95	18.1	
gamma-Chlordane	1	5.99	5.94	6.04	15.5	14.9
	2	5.15	5.10	5.20	18.0	
Endrin	1	6.62	6.57	6.67	15.4	19.4
	2	5.81	5.76	5.86	18.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167914BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167914BS **Date(s) Analyzed:** 05/08/2025 05/08/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.49	3.8
	2	5.93	5.88	5.98	0.47	
4,4'-DDE	1	6.20	6.15	6.25	0.47	2.7
	2	5.38	5.33	5.43	0.46	
4,4'-DDT	1	7.02	6.97	7.07	0.48	1.6
	2	6.19	6.14	6.24	0.47	
alpha-BHC	1	4.00	3.95	4.05	0.46	3.3
	2	3.40	3.35	3.45	0.45	
Aldrin	1	5.27	5.22	5.32	0.47	3.9
	2	4.37	4.32	4.42	0.46	
alpha-Chlordane	1	6.03	5.98	6.08	0.47	3.5
	2	5.19	5.14	5.24	0.46	
Endosulfan II	1	6.79	6.74	6.84	0.47	2.7
	2	6.08	6.03	6.13	0.46	
Endosulfan sulfate	1	7.15	7.10	7.20	0.48	4.8
	2	6.49	6.44	6.54	0.46	
beta-BHC	1	4.52	4.47	4.57	0.46	1.4
	2	4.03	3.98	4.08	0.47	
delta-BHC	1	4.76	4.71	4.81	0.50	9.7
	2	4.26	4.21	4.31	0.45	
Endosulfan I	1	6.08	6.03	6.13	0.48	3.7
	2	5.25	5.20	5.30	0.46	
Dieldrin	1	6.35	6.30	6.40	0.48	4.5
	2	5.52	5.47	5.57	0.46	
Endrin aldehyde	1	6.92	6.87	6.97	0.49	4.6
	2	6.26	6.21	6.31	0.47	
Methoxychlor	1	7.49	7.44	7.54	0.49	3.8
	2	6.76	6.71	6.81	0.47	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167914BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167914BS **Date(s) Analyzed:** 05/08/2025 05/08/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	0.49	5.5
	2	6.99	6.94	7.04	0.46	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.46	3
	2	3.73	3.68	3.78	0.45	
Heptachlor	1	4.93	4.88	4.98	0.47	4.7
	2	4.09	4.04	4.14	0.45	
Heptachlor epoxide	1	5.69	5.64	5.74	0.47	3.5
	2	4.88	4.83	4.93	0.46	
gamma-Chlordane	1	5.95	5.90	6.00	0.47	2.7
	2	5.13	5.08	5.18	0.46	
Endrin	1	6.58	6.53	6.63	0.49	4.2
	2	5.79	5.74	5.84	0.47	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167914BSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167914BSD **Date(s) Analyzed:** 05/08/2025 05/08/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	0.48	3.2
	2	6.08	6.03	6.13	0.46	
Endrin aldehyde	1	6.92	6.87	6.97	0.50	4.9
	2	6.26	6.21	6.31	0.47	
Endosulfan sulfate	1	7.15	7.10	7.20	0.49	5.4
	2	6.49	6.44	6.54	0.46	
Methoxychlor	1	7.49	7.44	7.54	0.49	4.1
	2	6.76	6.71	6.81	0.47	
Endrin ketone	1	7.63	7.58	7.68	0.49	6.3
	2	6.99	6.94	7.04	0.46	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.47	3.8
	2	3.73	3.68	3.78	0.45	
Heptachlor	1	4.93	4.88	4.98	0.48	5.1
	2	4.09	4.04	4.14	0.45	
delta-BHC	1	4.77	4.72	4.82	0.51	11.6
	2	4.26	4.21	4.31	0.46	
Heptachlor epoxide	1	5.69	5.64	5.74	0.48	4.3
	2	4.88	4.83	4.93	0.46	
Endosulfan I	1	6.08	6.03	6.13	0.48	5.7
	2	5.25	5.20	5.30	0.46	
gamma-Chlordane	1	5.95	5.90	6.00	0.48	4.3
	2	5.13	5.08	5.18	0.46	
Dieldrin	1	6.35	6.30	6.40	0.49	5
	2	5.52	5.47	5.57	0.46	
Endrin	1	6.58	6.53	6.63	0.49	4.3
	2	5.79	5.74	5.84	0.47	
4,4'-DDD	1	6.71	6.66	6.76	0.49	4.4
	2	5.93	5.88	5.98	0.47	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167914BSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167914BSD **Date(s) Analyzed:** 05/08/2025 05/08/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.48	0.9
	2	6.19	6.14	6.24	0.47	
alpha-BHC	1	4.00	3.95	4.05	0.47	3.7
	2	3.40	3.35	3.45	0.45	
Aldrin	1	5.27	5.22	5.32	0.48	3.8
	2	4.37	4.32	4.42	0.46	
beta-BHC	1	4.52	4.47	4.57	0.47	1.3
	2	4.03	3.98	4.08	0.47	
alpha-Chlordane	1	6.03	5.98	6.08	0.48	4.9
	2	5.19	5.14	5.24	0.46	
4,4'-DDE	1	6.20	6.15	6.25	0.48	1.6
	2	5.38	5.33	5.43	0.47	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-02 **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin	1	6.62	6.57	6.67	0.32	72.7
	2	5.81	5.76	5.86	0.15	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-03MS **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.75	6.70	6.80	19.1	10.4
	2	5.95	5.90	6.00	21.2	
4,4'-DDT	1	7.07	7.02	7.12	17.3	15
	2	6.21	6.16	6.26	20.1	
alpha-BHC	1	4.04	3.99	4.09	17.4	28.6
	2	3.42	3.37	3.47	23.2	
Aldrin	1	5.32	5.27	5.37	18.1	19.9
	2	4.39	4.34	4.44	22.1	
4,4'-DDE	1	6.24	6.19	6.29	17.7	13.7
	2	5.40	5.35	5.45	20.3	
Endosulfan II	1	6.83	6.78	6.88	17.0	16.7
	2	6.10	6.05	6.15	20.1	
Endrin aldehyde	1	6.96	6.91	7.01	18.6	6.2
	2	6.28	6.23	6.33	19.8	
Endosulfan sulfate	1	7.20	7.15	7.25	17.4	10.4
	2	6.50	6.45	6.55	19.3	
Methoxychlor	1	7.54	7.49	7.59	16.7	14.4
	2	6.78	6.73	6.83	19.3	
Endrin ketone	1	7.68	7.63	7.73	16.5	24.5
	2	7.01	6.96	7.06	21.1	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	17.4	24.2
	2	3.76	3.71	3.81	22.2	
Heptachlor	1	4.97	4.92	5.02	17.2	20.8
	2	4.11	4.06	4.16	21.2	
beta-BHC	1	4.56	4.51	4.61	17.0	19.6
	2	4.05	4.00	4.10	20.7	
delta-BHC	1	4.81	4.76	4.86	17.5	24.1
	2	4.29	4.24	4.34	22.3	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-03MS **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor epoxide	1	5.74	5.69	5.79	18.3	15.2
	2	4.90	4.85	4.95	21.3	
Endosulfan I	1	6.12	6.07	6.17	17.9	16.9
	2	5.27	5.22	5.32	21.2	
gamma-Chlordane	1	5.99	5.94	6.04	18.6	14.9
	2	5.15	5.10	5.20	21.6	
alpha-Chlordane	1	6.07	6.02	6.12	18.1	15.3
	2	5.22	5.17	5.27	21.1	
Dieldrin	1	6.39	6.34	6.44	17.5	18.7
	2	5.54	5.49	5.59	21.1	
Endrin	1	6.62	6.57	6.67	17.8	16
	2	5.81	5.76	5.86	20.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-04MSD **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.83	6.78	6.88	17.0	20.1
	2	6.10	6.05	6.15	20.8	
4,4'-DDD	1	6.75	6.70	6.80	18.2	17.5
	2	5.95	5.90	6.00	21.7	
4,4'-DDT	1	7.07	7.02	7.12	17.7	16.6
	2	6.21	6.16	6.26	20.9	
Endosulfan sulfate	1	7.20	7.15	7.25	17.5	9.8
	2	6.50	6.45	6.55	19.3	
alpha-BHC	1	4.05	4.00	4.10	17.4	29.4
	2	3.42	3.37	3.47	23.4	
Aldrin	1	5.32	5.27	5.37	18.2	20.7
	2	4.39	4.34	4.44	22.4	
beta-BHC	1	4.56	4.51	4.61	16.9	21.2
	2	4.05	4.00	4.10	20.9	
delta-BHC	1	4.81	4.76	4.86	17.5	25.4
	2	4.29	4.24	4.34	22.6	
Endosulfan I	1	6.12	6.07	6.17	17.9	18.7
	2	5.27	5.22	5.32	21.6	
alpha-Chlordane	1	6.07	6.02	6.12	18.0	17.3
	2	5.21	5.16	5.26	21.4	
4,4'-DDE	1	6.24	6.19	6.29	17.9	14.5
	2	5.40	5.35	5.45	20.7	
Dieldrin	1	6.39	6.34	6.44	17.5	20.5
	2	5.54	5.49	5.59	21.5	
Endrin aldehyde	1	6.96	6.91	7.01	17.9	14.5
	2	6.28	6.23	6.33	20.7	
Methoxychlor	1	7.54	7.49	7.59	16.6	17.1
	2	6.78	6.73	6.83	19.7	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-04MSD **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.68	7.63	7.73	16.8	24.1
	2	7.01	6.96	7.06	21.4	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	17.3	25.3
	2	3.76	3.71	3.81	22.3	
Heptachlor	1	4.97	4.92	5.02	17.1	22.3
	2	4.11	4.06	4.16	21.4	
Heptachlor epoxide	1	5.74	5.69	5.79	18.2	17.1
	2	4.90	4.85	4.95	21.6	
gamma-Chlordane	1	5.99	5.94	6.04	18.4	17.8
	2	5.15	5.10	5.20	22.0	
Endrin	1	6.62	6.57	6.67	17.7	19.4
	2	5.81	5.76	5.86	21.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB91-3-4

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-06 **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.08	6.03	6.13	0.32	55.9
	2	5.21	5.16	5.26	0.18	

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-05	**COMP1**	**TCLP**			**05/02/25**			**05/02/25**
			TCLP Herbicide	8151A		05/12/25	05/12/25	
			TCLP Pesticide	8081B		05/12/25	05/13/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Diesel Range Organics	8015D		05/08/25	05/08/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/08/25	05/08/25	
			PCB	8082A		05/07/25	05/07/25	
			Pesticide-TCL	8081B		05/08/25	05/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956 **Order ID:** Q1956

Client: CDM Smith **Project ID:** Bergen Point Fueling System

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	05/12/25
Client Sample ID:	PB167851TB	SDG No.:	Q1956
Lab Sample ID:	PB167851TB	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088510.D	1	05/12/25 12:25	05/13/25 12:24	PB167969

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.50	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.50	U	0.096	0.50	ug/L
72-20-8	Endrin	0.50	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.50	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.7		43 - 140	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		77 - 126	108%	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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1	SDG No.:	Q1956
Lab Sample ID:	Q1956-05	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088511.D	1	05/12/25 12:25	05/13/25 12:37	PB167969

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.50	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.50	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.50	U	0.096	0.50	ug/L
72-20-8	Endrin	0.50	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.50	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.9		43 - 140	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.5		77 - 126	107%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
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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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PD088121.D	PIBLK-PD088121.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	22.7	113		43	140
		Tetrachloro-m-xylene	2	20	20.9	104		77	126
I.BLK-PD088497.D	PIBLK-PD088497.D	Decachlorobiphenyl	1	20	19.7	99		43	140
		Tetrachloro-m-xylene	1	20	18.5	92		77	126
		Decachlorobiphenyl	2	20	17.4	87		43	140
		Tetrachloro-m-xylene	2	20	17.6	88		77	126
PB167969BL	PB167969BL	Decachlorobiphenyl	1	20	21.2	106		43	140
		Tetrachloro-m-xylene	1	20	21.0	105		77	126
		Decachlorobiphenyl	2	20	16.6	83		43	140
		Tetrachloro-m-xylene	2	20	20.7	104		77	126
PB167969BS	PB167969BS	Decachlorobiphenyl	1	20	21.3	107		43	140
		Tetrachloro-m-xylene	1	20	21.2	106		77	126
		Decachlorobiphenyl	2	20	17.7	88		43	140
		Tetrachloro-m-xylene	2	20	21.1	105		77	126
PB167851TB	PB167851TB	Decachlorobiphenyl	1	20	21.7	109		43	140
		Tetrachloro-m-xylene	1	20	21.6	108		77	126
		Decachlorobiphenyl	2	20	17.7	88		43	140
		Tetrachloro-m-xylene	2	20	21.2	106		77	126
Q1956-05	COMP1	Decachlorobiphenyl	1	20	21.9	110		43	140
		Tetrachloro-m-xylene	1	20	21.5	107		77	126
		Decachlorobiphenyl	2	20	17.6	88		43	140
		Tetrachloro-m-xylene	2	20	19.1	96		77	126
Q1956-05MS	COMP1MS	Decachlorobiphenyl	1	20	21.6	108		43	140
		Tetrachloro-m-xylene	1	20	21.8	109		77	126
		Decachlorobiphenyl	2	20	17.9	89		43	140
		Tetrachloro-m-xylene	2	20	19.2	96		77	126
Q1956-05MSD	COMP1MSD	Decachlorobiphenyl	1	20	21.6	108		43	140
		Tetrachloro-m-xylene	1	20	22.3	111		77	126
		Decachlorobiphenyl	2	20	17.9	90		43	140
		Tetrachloro-m-xylene	2	20	18.9	95		77	126
I.BLK-PD088514.D	PIBLK-PD088514.D	Decachlorobiphenyl	1	20	18.7	94		43	140
		Tetrachloro-m-xylene	1	20	18.1	90		77	126
		Decachlorobiphenyl	2	20	15.7	79		43	140
		Tetrachloro-m-xylene	2	20	16.9	85		77	126

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **DataFile :** PD088512.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**COMP1MS**											
Q1956-05MS	gamma-BHC (Lindane)	5	0	6.10	ug/L	122				60	152	
	Heptachlor	5	0	6.00	ug/L	120				56	147	
	Heptachlor epoxide	5	0	6.10	ug/L	122				77	143	
	Endrin	5	0	6.00	ug/L	120				76	144	
	Methoxychlor	5	0	5.60	ug/L	112				70	142	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **DataFile :** PD088513.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**COMP1MSD**											
Q1956-05MSD	gamma-BHC (Lindane)	5	0	6.00	ug/L	120		2		60	152	20
	Heptachlor	5	0	6.00	ug/L	120		0		56	147	20
	Heptachlor epoxide	5	0	6.10	ug/L	122		0		77	143	20
	Endrin	5	0	6.00	ug/L	120		0		76	144	20
	Methoxychlor	5	0	5.60	ug/L	112		0		70	142	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **Datafile :** PD088509.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167969BS	gamma-BHC (Lindane)	0.5	0.51	ug/L	103				82	129	
	Heptachlor	0.5	0.53	ug/L	106				79	127	
	Heptachlor epoxide	0.5	0.52	ug/L	104				81	124	
	Endrin	0.5	0.48	ug/L	97				81	128	
	Methoxychlor	0.5	0.47	ug/L	94				78	108	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167969BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167969BL Lab File ID: PD088508.D

Matrix: (soil/water) water Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 05/12/2025

Date Analyzed (1): 05/13/2025 Date Analyzed (2): 05/13/2025

Time Analyzed (1): 11:57 Time Analyzed (2): 11:57

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

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
PB167969BS	PB167969BS	PD088509.D	05/13/2025	05/13/2025
PB167851TB	PB167851TB	PD088510.D	05/13/2025	05/13/2025
COMP1	Q1956-05	PD088511.D	05/13/2025	05/13/2025
COMP1MS	Q1956-05MS	PD088512.D	05/13/2025	05/13/2025
COMP1MSD	Q1956-05MSD	PD088513.D	05/13/2025	05/13/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167969BL	SDG No.:	Q1956
Lab Sample ID:	PB167969BL	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088508.D	1	05/12/25 12:25	05/13/25 11:57	PB167969

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		43 - 140	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.0		77 - 126	105%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Report of Analysis

Client:	CDM Smith	Date Collected:	04/18/25
Project:	Bergen Point Fueling System	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088121.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088121.D	1		04/18/25	PD041825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		77 - 126	104%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	Bergen Point Fueling System	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088497.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088497.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088497.D	1		05/13/25	PD051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		43 - 140	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		77 - 126	92%	SPK: 20

Comments:

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	Bergen Point Fueling System	Date Received:	05/13/25
Client Sample ID:	PIBLK-PD088514.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088514.D	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088514.D	1		05/13/25	pd051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.7		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.1		77 - 126	90%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167969BS	SDG No.:	Q1956
Lab Sample ID:	PB167969BS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088509.D	1	05/12/25 12:25	05/13/25 12:10	PB167969

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.51		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.53		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.52		0.0096	0.050	ug/L
72-20-8	Endrin	0.48		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.47		0.011	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.3		43 - 140	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.2		77 - 126	106%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-05MS	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088512.D	1	05/12/25 12:25	05/13/25 12:51	PB167969

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	6.10		0.037	0.50	ug/L
76-44-8	Heptachlor	6.00		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	6.10		0.096	0.50	ug/L
72-20-8	Endrin	6.00		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		43 - 140	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		77 - 126	109%	SPK: 20

Comments:

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-05MSD	Matrix:	TCLP
Analytical Method:	8081B	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088513.D	1	05/12/25 12:25	05/13/25 13:04	PB167969

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	6.00		0.037	0.50	ug/L
76-44-8	Heptachlor	6.00		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	6.10		0.096	0.50	ug/L
72-20-8	Endrin	6.00		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	10.0	U	1.70	10.0	ug/L
57-74-9	Chlordane	5.00	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.6		43 - 140	108%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.3		77 - 126	111%	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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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	9.08	9.07	9.08	9.08	9.08	9.07	8.97	9.17
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.50	7.50	7.50	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Decachlorobiphenyl	8.09	8.08	8.08	8.08	8.08	8.08	7.98	8.18
Endrin	5.81	5.79	5.79	5.79	5.79	5.80	5.70	5.90
gamma-BHC (Lindane)	3.75	3.73	3.73	3.73	3.73	3.74	3.64	3.84
Heptachlor	4.10	4.09	4.09	4.09	4.09	4.09	3.99	4.19
Heptachlor epoxide	4.89	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Methoxychlor	6.77	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Tetrachloro-m-xylene	2.90	2.88	2.88	2.88	2.88	2.89	2.79	2.99

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: **CF 100 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3080820000	3141130000	3178140000	3290360000	3850090000	3308110000	9
Endrin	3128180000	3077300000	2935450000	2806460000	2965440000	2982570000	4
gamma-BHC (Lindane)	4507210000	4365130000	4155030000	3887470000	4022700000	4187510000	6
Heptachlor	4264490000	4159110000	3978190000	3781390000	4011590000	4038950000	5
Heptachlor epoxide	3670910000	3598060000	3486330000	3389810000	3724620000	3573950000	4
Methoxychlor	1461300000	1466360000	1467850000	1483290000	1618930000	1499540000	4
Tetrachloro-m-xylene	1982340000	2006790000	1938680000	1923660000	2135510000	1997400000	4

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID: **CF 100 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	16767000000	17098200000	17470300000	18387600000	22674800000	18479600000	13
Endrin	16756200000	17001500000	17464500000	18215500000	21574100000	18202300000	11
gamma-BHC (Lindane)	20140800000	20226900000	20558100000	21137200000	25630400000	21538700000	11
Heptachlor	19826900000	20021500000	20522700000	21298800000	25320700000	21398100000	11
Heptachlor epoxide	17359900000	17576100000	18079700000	18879200000	22576700000	18894300000	11
Methoxychlor	8272330000	8467510000	8839240000	9290490000	10735700000	9121060000	11
Tetrachloro-m-xylene	13615300000	13685800000	14010800000	14551200000	17245000000	14621600000	10

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D **Date(s) Analyzed:** 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	4.72	4.62	4.82	161995000
		2	5.24	5.14	5.34	160780000
		3	5.95	5.85	6.05	666185000
		4	6.03	5.93	6.13	797101000
		5	6.87	6.77	6.97	133051000
Toxaphene	500	1	6.24	6.14	6.34	23597900
		2	6.44	6.34	6.54	34064600
		3	7.15	7.05	7.25	65326300
		4	7.57	7.47	7.67	82045400
		5	7.93	7.83	8.03	47715200

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_D **Date(s) Analyzed:** 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	3.91	3.81	4.01	767527000
		2	4.49	4.39	4.59	783082000
		3	5.13	5.03	5.23	2396830000
		4	5.19	5.09	5.29	2031740000
		5	6.09	5.99	6.19	931551000
Toxaphene	500	1	5.48	5.38	5.58	130682000
		2	5.65	5.55	5.75	89513500
		3	6.76	6.66	6.86	417352000
		4	7.20	7.10	7.30	302911000
		5	7.33	7.23	7.43	207761000

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 09:55 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088499.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.074	8.975	9.175	48.950	50.000	-2.1
Endrin	6.576	6.476	6.676	53.150	50.000	6.3
gamma-BHC (Lindane)	4.332	4.232	4.432	53.830	50.000	7.7
Heptachlor	4.931	4.831	5.031	55.670	50.000	11.3
Heptachlor epoxide	5.692	5.592	5.792	54.860	50.000	9.7
Methoxychlor	7.494	7.395	7.595	51.790	50.000	3.6
Tetrachloro-m-xylene	3.552	3.452	3.652	51.960	50.000	3.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088499.D **Time Analyzed:** 09:55

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.075	7.977	8.177	42.160	50.000	-15.7
Endrin	5.791	5.693	5.893	46.530	50.000	-6.9
gamma-BHC (Lindane)	3.731	3.633	3.833	47.220	50.000	-5.6
Heptachlor	4.085	3.986	4.186	47.280	50.000	-5.4
Heptachlor epoxide	4.875	4.777	4.977	47.370	50.000	-5.3
Methoxychlor	6.757	6.659	6.859	45.070	50.000	-9.9
Tetrachloro-m-xylene	2.882	2.783	2.983	47.090	50.000	-5.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 14:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	-0.01
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endrin	6.58	6.58	6.48	6.68	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/13/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 14:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088515.D **Time Analyzed:** 14:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.080	8.975	9.175	48.470	50.000	-3.1
Endrin	6.582	6.476	6.676	53.290	50.000	6.6
gamma-BHC (Lindane)	4.338	4.232	4.432	55.030	50.000	10.1
Heptachlor	4.937	4.831	5.031	55.970	50.000	11.9
Heptachlor epoxide	5.698	5.592	5.792	54.730	50.000	9.5
Methoxychlor	7.500	7.395	7.595	51.030	50.000	2.1
Tetrachloro-m-xylene	3.558	3.452	3.652	52.540	50.000	5.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/13/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088515.D **Time Analyzed:** 14:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.076	7.977	8.177	41.330	50.000	-17.3
Endrin	5.792	5.693	5.893	47.220	50.000	-5.6
gamma-BHC (Lindane)	3.732	3.633	3.833	47.870	50.000	-4.3
Heptachlor	4.086	3.986	4.186	47.490	50.000	-5.0
Heptachlor epoxide	4.876	4.777	4.977	47.790	50.000	-4.4
Methoxychlor	6.758	6.659	6.859	45.030	50.000	-9.9
Tetrachloro-m-xylene	2.882	2.783	2.983	47.460	50.000	-5.1

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D **Date Analyzed:** 04/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.075	8.970	9.180	23.220	20.000	16.1
Tetrachloro-m-xylene	3.551	3.500	3.600	21.610	20.000	8.1
alpha-BHC	4.000	3.950	4.050	9.950	10.000	-0.5
beta-BHC	4.516	4.470	4.570	11.360	10.000	13.6
gamma-BHC (Lindane)	4.331	4.280	4.380	10.480	10.000	4.8
Endrin	6.576	6.510	6.650	51.530	50.000	3.1
4,4'-DDT	7.023	6.950	7.090	110.510	100.000	10.5
Methoxychlor	7.494	7.420	7.560	265.100	250.000	6.0

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D **Date Analyzed:** 04/18/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:29

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.076	7.980	8.180	22.950	20.000	14.8
Tetrachloro-m-xylene	2.883	2.830	2.930	22.200	20.000	11.0
alpha-BHC	3.396	3.350	3.450	11.720	10.000	17.2
beta-BHC	4.028	3.980	4.080	12.460	10.000	24.6
gamma-BHC (Lindane)	3.732	3.680	3.780	11.580	10.000	15.8
Endrin	5.793	5.720	5.860	49.780	50.000	-0.4
4,4'-DDT	6.187	6.120	6.260	102.610	100.000	2.6
Methoxychlor	6.758	6.690	6.830	215.580	250.000	-13.8

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PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088498.D **Date Analyzed:** 05/13/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.074	8.970	9.170	23.730	20.000	18.7
Tetrachloro-m-xylene	3.551	3.500	3.600	23.660	20.000	18.3
alpha-BHC	4.000	3.950	4.050	10.800	10.000	8.0
beta-BHC	4.516	4.470	4.570	12.260	10.000	22.6
gamma-BHC (Lindane)	4.331	4.280	4.380	11.190	10.000	11.9
Endrin	6.575	6.500	6.650	59.430	50.000	18.9
4,4'-DDT	7.021	6.950	7.090	119.580	100.000	19.6
Methoxychlor	7.494	7.420	7.560	270.970	250.000	8.4

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088498.D **Date Analyzed:** 05/13/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:41

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.073	7.970	8.170	20.850	20.000	4.3
Tetrachloro-m-xylene	2.881	2.830	2.930	22.400	20.000	12.0
alpha-BHC	3.394	3.340	3.440	11.630	10.000	16.3
beta-BHC	4.026	3.980	4.080	12.030	10.000	20.3
gamma-BHC (Lindane)	3.730	3.680	3.780	11.540	10.000	15.4
Endrin	5.790	5.720	5.860	51.700	50.000	3.4
4,4'-DDT	6.185	6.110	6.260	99.870	100.000	-0.1
Methoxychlor	6.755	6.680	6.830	200.220	250.000	-19.9

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_D

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/18/2025 04/18/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	04/18/2025	13:15	PD088121.D	9.07	3.55
PEM	PEM	04/18/2025	13:29	PD088122.D	9.08	3.55
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	9.08	3.55
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	9.08	3.55
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	9.07	3.55
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	9.08	3.55
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	9.08	3.55
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	9.08	3.55
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	9.07	3.55
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	9.07	3.55
I.BLK	I.BLK	05/13/2025	09:28	PD088497.D	9.07	3.55
PEM	PEM	05/13/2025	09:41	PD088498.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/13/2025	09:55	PD088499.D	9.07	3.55
PB167969BL	PB167969BL	05/13/2025	11:57	PD088508.D	9.07	3.55
PB167969BS	PB167969BS	05/13/2025	12:10	PD088509.D	9.07	3.55
PB167851TB	PB167851TB	05/13/2025	12:24	PD088510.D	9.07	3.55
COMP1	Q1956-05	05/13/2025	12:37	PD088511.D	9.08	3.55
COMP1MS	Q1956-05MS	05/13/2025	12:51	PD088512.D	9.07	3.55
COMP1MSD	Q1956-05MSD	05/13/2025	13:04	PD088513.D	9.07	3.55
I.BLK	I.BLK	05/13/2025	13:18	PD088514.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/13/2025	14:22	PD088515.D	9.08	3.56

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_D

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/18/2025 04/18/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	04/18/2025	13:15	PD088121.D	8.08	2.88
PEM	PEM	04/18/2025	13:29	PD088122.D	8.08	2.88
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	8.08	2.88
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	8.09	2.90
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	8.08	2.88
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	8.08	2.88
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	8.08	2.88
PSTDICC005	PSTDICC005	04/18/2025	14:51	PD088128.D	8.08	2.88
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	8.08	2.88
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	8.08	2.88
I.BLK	I.BLK	05/13/2025	09:28	PD088497.D	8.07	2.88
PEM	PEM	05/13/2025	09:41	PD088498.D	8.07	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	09:55	PD088499.D	8.08	2.88
PB167969BL	PB167969BL	05/13/2025	11:57	PD088508.D	8.07	2.88
PB167969BS	PB167969BS	05/13/2025	12:10	PD088509.D	8.08	2.88
PB167851TB	PB167851TB	05/13/2025	12:24	PD088510.D	8.07	2.88
COMP1	Q1956-05	05/13/2025	12:37	PD088511.D	8.08	2.88
COMP1MS	Q1956-05MS	05/13/2025	12:51	PD088512.D	8.08	2.88
COMP1MSD	Q1956-05MSD	05/13/2025	13:04	PD088513.D	8.08	2.88
I.BLK	I.BLK	05/13/2025	13:18	PD088514.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/13/2025	14:22	PD088515.D	8.08	2.88

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP1MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-05MS **Date(s) Analyzed:** 05/13/2025 05/13/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.49	7.44	7.54	5.60	15.4
	2	6.76	6.71	6.81	4.80	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	6.10	15.9
	2	3.73	3.68	3.78	5.20	
Heptachlor	1	4.93	4.88	4.98	6.00	18.2
	2	4.09	4.04	4.14	5.00	
Heptachlor epoxide	1	5.69	5.64	5.74	6.10	15.9
	2	4.88	4.83	4.93	5.20	
Endrin	1	6.58	6.53	6.63	6.00	16.2
	2	5.79	5.74	5.84	5.10	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP1MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-05MSD **Date(s) Analyzed:** 05/13/2025 05/13/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Methoxychlor	1	7.49	7.44	7.54	5.60	15.4
	2	6.76	6.71	6.81	4.80	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	6.00	16.2
	2	3.73	3.68	3.78	5.10	
Heptachlor	1	4.93	4.88	4.98	6.00	18.2
	2	4.09	4.04	4.14	5.00	
Heptachlor epoxide	1	5.69	5.64	5.74	6.10	15.9
	2	4.88	4.83	4.93	5.20	
Endrin	1	6.58	6.53	6.63	6.00	16.2
	2	5.79	5.74	5.84	5.10	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167969BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167969BS **Date(s) Analyzed:** 05/13/2025 05/13/2025

Instrument ID (1): ECD_D **Instrument ID (2):** ECD_D

GC Column: (1): ZB-MR1 **ID:** 0.32 (mm) **GC Column:(2):** ZB-MR2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin	1	6.58	6.53	6.63	0.48	11.1
	2	5.79	5.74	5.84	0.43	
Methoxychlor	1	7.49	7.44	7.54	0.47	13.5
	2	6.76	6.71	6.81	0.41	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.51	8.9
	2	3.73	3.68	3.78	0.47	
Heptachlor	1	4.93	4.88	4.98	0.53	12.2
	2	4.09	4.04	4.14	0.47	
Heptachlor epoxide	1	5.69	5.64	5.74	0.52	10.5
	2	4.87	4.82	4.92	0.47	

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/06/25	05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/06/25	05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/06/25	05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/07/25	05/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956 **Order ID:** Q1956

Client: CDM Smith **Project ID:** Bergen Point Fueling System

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB2-4-5								
Q1956-02	SB2-4-5	SOIL	Aroclor-1254	6.90	JP	3.40	18.1	ug/kg
			Total Concentration:	**6.900**				

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89 Decanted:
Sample Wt/Vol:	30.07 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
PP071809.D	1	05/06/25 08:55	05/06/25 13:45	PB167877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	19.1	U	4.40	19.1	ug/kg
11104-28-2	Aroclor-1221	19.1	U	4.50	19.1	ug/kg
11141-16-5	Aroclor-1232	19.1	U	4.20	19.1	ug/kg
53469-21-9	Aroclor-1242	19.1	U	4.50	19.1	ug/kg
12672-29-6	Aroclor-1248	19.1	U	6.60	19.1	ug/kg
11097-69-1	Aroclor-1254	19.1	U	3.60	19.1	ug/kg
37324-23-5	Aroclor-1262	19.1	U	5.60	19.1	ug/kg
11100-14-4	Aroclor-1268	19.1	U	4.00	19.1	ug/kg
11096-82-5	Aroclor-1260	19.1	U	3.60	19.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		32 - 144	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		32 - 175	91%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.06 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
PP071810.D	1	05/06/25 08:55	05/06/25 14:01	PB167877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	18.1	U	4.20	18.1	ug/kg
11104-28-2	Aroclor-1221	18.1	U	4.30	18.1	ug/kg
11141-16-5	Aroclor-1232	18.1	U	4.00	18.1	ug/kg
53469-21-9	Aroclor-1242	18.1	U	4.30	18.1	ug/kg
12672-29-6	Aroclor-1248	18.1	U	6.30	18.1	ug/kg
11097-69-1	Aroclor-1254	6.90	JP	3.40	18.1	ug/kg
37324-23-5	Aroclor-1262	18.1	U	5.40	18.1	ug/kg
11100-14-4	Aroclor-1268	18.1	U	3.80	18.1	ug/kg
11096-82-5	Aroclor-1260	18.1	U	3.40	18.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.6		32 - 144	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.0		32 - 175	90%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.2 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
PP071813.D	1	05/06/25 08:55	05/06/25 14:51	PB167877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	18.8	U	4.40	18.8	ug/kg
11104-28-2	Aroclor-1221	18.8	U	4.50	18.8	ug/kg
11141-16-5	Aroclor-1232	18.8	U	4.10	18.8	ug/kg
53469-21-9	Aroclor-1242	18.8	U	4.40	18.8	ug/kg
12672-29-6	Aroclor-1248	18.8	U	6.50	18.8	ug/kg
11097-69-1	Aroclor-1254	18.8	U	3.50	18.8	ug/kg
37324-23-5	Aroclor-1262	18.8	U	5.60	18.8	ug/kg
11100-14-4	Aroclor-1268	18.8	U	4.00	18.8	ug/kg
11096-82-5	Aroclor-1260	18.8	U	3.60	18.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.8		32 - 144	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.2		32 - 175	81%	SPK: 20

Comments:

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	430 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071843.D	1	05/07/25 09:15	05/07/25 15:24	PB167890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.58	U	0.11	0.58	ug/L
11104-28-2	Aroclor-1221	0.58	U	0.15	0.58	ug/L
11141-16-5	Aroclor-1232	0.58	U	0.11	0.58	ug/L
53469-21-9	Aroclor-1242	0.58	U	0.14	0.58	ug/L
12672-29-6	Aroclor-1248	0.58	U	0.083	0.58	ug/L
11097-69-1	Aroclor-1254	0.58	U	0.11	0.58	ug/L
37324-23-5	Aroclor-1262	0.58	U	0.16	0.58	ug/L
11100-14-4	Aroclor-1268	0.58	U	0.13	0.58	ug/L
11096-82-5	Aroclor-1260	0.58	U	0.094	0.58	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		16 - 158	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.8		10 - 173	69%	SPK: 20

Comments:

U = Not Detected
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() = Laboratory InHouse Limit

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP071388.D	PIBLK-PP071388.D	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		Decachlorobiphenyl	1	20	17.6	88		60	140
		Tetrachloro-m-xylene	2	20	17.2	86		60	140
		Decachlorobiphenyl	2	20	17.6	88		60	140
I.BLK-PP071804.D	PIBLK-PP071804.D	Tetrachloro-m-xylene	1	20	17.1	86		60	140
		Decachlorobiphenyl	1	20	19.0	95		60	140
		Tetrachloro-m-xylene	2	20	19.0	95		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
PB167877BL	PB167877BL	Tetrachloro-m-xylene	1	20	20.6	103		32	144
		Decachlorobiphenyl	1	20	21.9	109		32	175
		Tetrachloro-m-xylene	2	20	22.9	115		32	144
		Decachlorobiphenyl	2	20	24.6	123		32	175
PB167877BS	PB167877BS	Tetrachloro-m-xylene	1	20	20.7	104		32	144
		Decachlorobiphenyl	1	20	22.2	111		32	175
		Tetrachloro-m-xylene	2	20	22.4	112		32	144
		Decachlorobiphenyl	2	20	24.1	121		32	175
Q1956-01	SB1-3-4	Tetrachloro-m-xylene	1	20	20.9	104		32	144
		Decachlorobiphenyl	1	20	16.1	81		32	175
		Tetrachloro-m-xylene	2	20	23.5	117		32	144
		Decachlorobiphenyl	2	20	18.3	91		32	175
Q1956-02	SB2-4-5	Tetrachloro-m-xylene	1	20	20.7	104		32	144
		Decachlorobiphenyl	1	20	17.2	86		32	175
		Tetrachloro-m-xylene	2	20	22.6	113		32	144
		Decachlorobiphenyl	2	20	18.0	90		32	175
Q1956-03MS	SB2-4-5MS	Tetrachloro-m-xylene	1	20	22.6	113		32	144
		Decachlorobiphenyl	1	20	21.1	105		32	175
		Tetrachloro-m-xylene	2	20	23.7	119		32	144
		Decachlorobiphenyl	2	20	23.3	117		32	175
Q1956-04MSD	SB2-4-5MSD	Tetrachloro-m-xylene	1	20	21.8	109		32	144
		Decachlorobiphenyl	1	20	21.0	105		32	175
		Tetrachloro-m-xylene	2	20	21.2	106		32	144
		Decachlorobiphenyl	2	20	22.7	114		32	175
Q1956-06	SB91-3-4	Tetrachloro-m-xylene	1	20	19.7	99		32	144
		Decachlorobiphenyl	1	20	14.9	74		32	175
		Tetrachloro-m-xylene	2	20	22.8	114		32	144
		Decachlorobiphenyl	2	20	16.2	81		32	175
I.BLK-PP071819.D	PIBLK-PP071819.D	Tetrachloro-m-xylene	1	20	17.0	85		60	140
		Decachlorobiphenyl	1	20	18.7	93		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	21.9	109		60	140
I.BLK-PP071839.D	PIBLK-PP071839.D	Tetrachloro-m-xylene	1	20	16.3	81		60	140

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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PP071839.D	PIBLK-PP071839.D	Decachlorobiphenyl	1	20	16.5	83		60	140
		Tetrachloro-m-xylene	2	20	18.1	91		60	140
		Decachlorobiphenyl	2	20	19.2	96		60	140
PB167890BL	PB167890BL	Tetrachloro-m-xylene	1	20	20.3	102		16	158
		Decachlorobiphenyl	1	20	20.3	101		10	173
		Tetrachloro-m-xylene	2	20	21.9	110		16	158
		Decachlorobiphenyl	2	20	23.4	117		10	173
PB167890BS	PB167890BS	Tetrachloro-m-xylene	1	20	20.4	102		16	158
		Decachlorobiphenyl	1	20	20.6	103		10	173
		Tetrachloro-m-xylene	2	20	20.5	102		16	158
		Decachlorobiphenyl	2	20	22.1	110		10	173
PB167890BSD	PB167890BSD	Tetrachloro-m-xylene	1	20	19.7	99		16	158
		Decachlorobiphenyl	1	20	19.8	99		10	173
		Tetrachloro-m-xylene	2	20	20.7	104		16	158
		Decachlorobiphenyl	2	20	22.1	111		10	173
Q1956-07	FB-05022025	Tetrachloro-m-xylene	1	20	21.4	107		16	158
		Decachlorobiphenyl	1	20	12.3	62		10	173
		Tetrachloro-m-xylene	2	20	23.5	117		16	158
		Decachlorobiphenyl	2	20	13.8	69		10	173
I.BLK-PP071851.D	PIBLK-PP071851.D	Tetrachloro-m-xylene	1	20	16.2	81		60	140
		Decachlorobiphenyl	1	20	16.6	83		60	140
		Tetrachloro-m-xylene	2	20	17.9	90		60	140
		Decachlorobiphenyl	2	20	19.1	96		60	140

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8082A **DataFile :** PP071811.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SB2-4-5MS**											
Q1956-03MS	AR1016	178.1	0	187	ug/kg	105				55	146	
	AR1260	178.1	0	182	ug/kg	102				31	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8082A **DataFile :** PP071812.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SB2-4-5MSD**											
Q1956-04MSD	AR1016	178.1	0	181	ug/kg	102		3		55	146	20
	AR1260	178.1	0	186	ug/kg	104		2		31	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8082A **Datafile :** PP071808.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167877BS	AR1016	166.6	152	ug/kg	91				71	120	
	AR1260	166.6	151	ug/kg	91				65	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8082A **Datafile :** PP071841.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167890BS	AR1016	5	4.60	ug/L	92				61	112	
	AR1260	5	4.70	ug/L	94				66	113	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8082A **Datafile :** PP071842.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167890BSD	AR1016	5	4.70	ug/L	94	2			61	112	20
	AR1260	5	4.70	ug/L	94	0			66	113	20

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167877BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167877BL Lab File ID: PP071807.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/06/2025

Date Analyzed (1): 05/06/2025 Date Analyzed (2): 05/06/2025

Time Analyzed (1): 13:12 Time Analyzed (2): 13:12

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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
PB167877BS	PB167877BS	PP071808.D	05/06/2025	05/06/2025
SB1-3-4	Q1956-01	PP071809.D	05/06/2025	05/06/2025
SB2-4-5	Q1956-02	PP071810.D	05/06/2025	05/06/2025
SB2-4-5MS	Q1956-03MS	PP071811.D	05/06/2025	05/06/2025
SB2-4-5MSD	Q1956-04MSD	PP071812.D	05/06/2025	05/06/2025
SB91-3-4	Q1956-06	PP071813.D	05/06/2025	05/06/2025

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167890BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167890BL Lab File ID: PP071840.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 05/07/2025

Date Analyzed (1): 05/07/2025 Date Analyzed (2): 05/07/2025

Time Analyzed (1): 14:35 Time Analyzed (2): 14:35

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

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
PB167890BS	PB167890BS	PP071841.D	05/07/2025	05/07/2025
PB167890BSD	PB167890BSD	PP071842.D	05/07/2025	05/07/2025
FB-05022025	Q1956-07	PP071843.D	05/07/2025	05/07/2025

COMMENTS:

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D

RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	5.66	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1016-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1016-5	(5)	6.14	6.14	6.15	6.14	6.14	6.14	6.04	6.24
Aroclor-1260-1	(1)	7.26	7.26	7.27	7.26	7.26	7.26	7.16	7.36
Aroclor-1260-2	(2)	7.51	7.51	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-3	(3)	7.87	7.87	7.88	7.87	7.88	7.87	7.77	7.97
Aroclor-1260-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1260-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52
Decachlorobiphenyl		10.23	10.23	10.24	10.23	10.24	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.52	4.51	4.52	4.51	4.41	4.61
Aroclor-1242-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1242-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1242-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.51	4.52	4.51	4.51	4.52	4.51	4.41	4.61
Aroclor-1248-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1248-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1248-3	(3)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1248-4	(4)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1248-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.24	10.24	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.51	4.51	4.51	4.51	4.41	4.61
Aroclor-1254-1	(1)	6.52	6.52	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1254-2	(2)	6.74	6.74	6.74	6.73	6.74	6.74	6.64	6.84
Aroclor-1254-3	(3)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1254-4	(4)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1254-5	(5)	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Decachlorobiphenyl		10.24	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.52	4.51	4.51	4.51	4.41	4.61
Aroclor-1268-1	(1)	8.73	8.73	8.73	8.74	8.73	8.73	8.63	8.83
Aroclor-1268-2	(2)	8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Aroclor-1268-3	(3)	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
Aroclor-1268-4	(4)	9.48	9.48	9.48	9.48	9.48	9.48	9.38	9.58
Aroclor-1268-5	(5)	9.89	9.89	9.89	9.90	9.89	9.90	9.80	10.00

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.24	10.23	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene	4.51	4.52	4.52	4.52	4.51	4.52	4.42	4.62

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: RT 1000 = PP071389.D RT 750 = PP071390.D

RT 500 = PP071391.D RT 250 = PP071392.D RT 050 = PP071393.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM	RT WINDOW TO
Aroclor-1016-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1016-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1016-3	(3)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1016-4	(4)	5.13	5.13	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1016-5	(5)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Aroclor-1260-1	(1)	6.38	6.38	6.39	6.39	6.38	6.38	6.28	6.48
Aroclor-1260-2	(2)	6.57	6.57	6.57	6.57	6.57	6.57	6.47	6.67
Aroclor-1260-3	(3)	6.73	6.73	6.73	6.73	6.73	6.73	6.63	6.83
Aroclor-1260-4	(4)	7.20	7.20	7.20	7.20	7.20	7.20	7.10	7.30
Aroclor-1260-5	(5)	7.44	7.44	7.44	7.44	7.44	7.44	7.34	7.54
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1242-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1242-2	(2)	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Aroclor-1242-3	(3)	5.09	5.09	5.09	5.09	5.09	5.09	4.99	5.19
Aroclor-1242-4	(4)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-5	(5)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1248-1	(1)	4.90	4.90	4.90	4.90	4.90	4.90	4.80	5.00
Aroclor-1248-2	(2)	5.14	5.14	5.14	5.14	5.14	5.14	5.04	5.24
Aroclor-1248-3	(3)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1248-4	(4)	5.35	5.35	5.35	5.35	5.35	5.35	5.25	5.45
Aroclor-1248-5	(5)	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1254-1	(1)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1254-2	(2)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1254-3	(3)	6.25	6.26	6.25	6.26	6.26	6.26	6.16	6.36
Aroclor-1254-4	(4)	6.48	6.48	6.48	6.48	6.48	6.48	6.38	6.58
Aroclor-1254-5	(5)	6.90	6.90	6.90	6.90	6.90	6.90	6.80	7.00
Decachlorobiphenyl		8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene		3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91
Aroclor-1268-1	(1)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
Aroclor-1268-2	(2)	7.79	7.79	7.79	7.79	7.79	7.79	7.69	7.89
Aroclor-1268-3	(3)	7.99	7.99	7.99	7.99	7.99	7.99	7.89	8.09
Aroclor-1268-4	(4)	8.29	8.29	8.29	8.29	8.29	8.29	8.19	8.39
Aroclor-1268-5	(5)	8.59	8.59	8.59	8.59	8.59	8.59	8.49	8.69

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RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene	3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: **CF 1000 =** PP071389.D **CF 750 =** PP071390.D

CF 500 = PP071391.D **CF 250 =** PP071392.D **CF 050 =** PP071393.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	64709894	67652695	70083532	71128656	61674340	67049823	6
Aroclor-1016-2	(2)	98977911	102364897	107369074	108813892	95615840	102628323	5
Aroclor-1016-3	(3)	59905708	62127143	64296308	65849928	56056440	61647105	6
Aroclor-1016-4	(4)	50563747	52419789	53619076	54941428	44946700	51298148	8
Aroclor-1016-5	(5)	47772963	49344036	50670668	50888564	42515680	48238382	7
Aroclor-1260-1	(1)	90879847	94857525	98814986	99659744	95910940	96024608	4
Aroclor-1260-2	(2)	137163459	142386411	147498372	149887700	138450980	143077384	4
Aroclor-1260-3	(3)	110350751	114445481	117702804	126515524	91505860	112104084	12
Aroclor-1260-4	(4)	105570732	110780085	111211068	131260612	105501660	112864831	9
Aroclor-1260-5	(5)	220536830	229070229	228919678	255108180	199231240	226573231	9
Decachlorobiphenyl		1409816860	1467002307	1522583160	1539948480	1300700600	1448010281	7
Tetrachloro-m-xylene		1947183160	2005072840	2066603680	2100352680	1793966200	1982635712	6
Aroclor-1242-1	(1)	53870259	55684409	58494980	58676784	47130380	54771362	9
Aroclor-1242-2	(2)	81881116	85641493	90236470	89744200	77399340	84980524	6
Aroclor-1242-3	(3)	49423643	51294363	53309060	53836868	47752740	51123335	5
Aroclor-1242-4	(4)	41638031	42855355	45034468	44656444	36858500	42208560	8
Aroclor-1242-5	(5)	44955701	46392219	48330700	47956460	43817460	46290508	4
Decachlorobiphenyl		1368547670	1421241013	1488838040	1503303480	1179092600	1392204561	9
Tetrachloro-m-xylene		1868945350	1926494133	2017272340	2030390160	1613146400	1891249677	9
Aroclor-1248-1	(1)	42447397	43370463	44490672	45736348	38649560	42938888	6
Aroclor-1248-2	(2)	57932834	60215229	62023042	63285912	58705480	60432499	4
Aroclor-1248-3	(3)	65030901	68053485	69372090	70318056	61147600	66784426	6
Aroclor-1248-4	(4)	80777360	84441085	86910244	89142916	81782860	84610893	4
Aroclor-1248-5	(5)	76029464	78502729	80776474	83552224	78380620	79448302	4
Decachlorobiphenyl		1379130770	1440268240	1485619680	1521197800	1358343200	1436911938	5
Tetrachloro-m-xylene		1879191440	1925518227	1989640420	2037603040	1811949400	1928780505	5
Aroclor-1254-1	(1)	78574372	81246615	85577334	88598188	75759400	81951182	6
Aroclor-1254-2	(2)	121624435	125816099	132146328	137115708	118678260	127076166	6
Aroclor-1254-3	(3)	123432630	127799839	132981654	137623252	117036460	127774767	6
Aroclor-1254-4	(4)	112512019	116259037	121737436	124392856	112665620	117513394	5
Aroclor-1254-5	(5)	106399089	105922557	113785120	116153044	96391680	107730298	7
Decachlorobiphenyl		1410101810	1469202520	1526389740	1549706840	1328725400	1456825262	6
Tetrachloro-m-xylene		1888241120	1936990333	2012368600	2071565920	1722515200	1926336235	7
Aroclor-1268-1	(1)	299594266	309097848	319744804	331826088	282063800	308465361	6

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	251109850	259047004	267960354	275856908	228123960	256419615	7
Aroclor-1268-3	(3)	211915080	218354113	225284280	231505696	216470880	220706010	4
Aroclor-1268-4	(4)	93231632	96431025	99007040	98059984	82736300	93893196	7
Aroclor-1268-5	(5)	590082071	603740247	621062448	631335032	536707900	596585540	6
Decachlorobiphenyl		2486623660	2556709627	2669414960	2694667240	2263272000	2534137497	7
Tetrachloro-m-xylene		1883977950	1931567613	1982008260	2006991440	1590966000	1879102253	9

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID: **CF 1000 =** PP071389.D **CF 750 =** PP071390.D

CF 500 = PP071391.D **CF 250 =** PP071392.D **CF 050 =** PP071393.D

COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	48121828	49414308	53806128	56180596	60145020	53533576	9
Aroclor-1016-2	(2)	69736709	72096436	77213744	78520924	84250740	76363711	7
Aroclor-1016-3	(3)	38517048	40455577	43831736	45082616	43165080	42210411	6
Aroclor-1016-4	(4)	31206636	32814844	36123020	37095092	35190100	34485938	7
Aroclor-1016-5	(5)	39458687	41985771	45850608	46345748	48595640	44447291	8
Aroclor-1260-1	(1)	63219917	66123699	73727666	76350368	82074520	72299234	11
Aroclor-1260-2	(2)	77338708	77548395	89921718	91492956	101005300	87461415	12
Aroclor-1260-3	(3)	72062678	70944365	81698234	79344004	87888600	78387576	9
Aroclor-1260-4	(4)	57333188	56779915	65331750	68083052	68025140	63110609	9
Aroclor-1260-5	(5)	143809415	139161576	155842678	157512280	157560640	150777318	6
Decachlorobiphenyl		831147600	875337973	902319620	934998560	841460400	877052831	5
Tetrachloro-m-xylene		1380433570	1378340613	1415112020	1448341640	1420974200	1408640409	2
Aroclor-1242-1	(1)	42717527	44660211	47919806	49576672	46343800	46243603	6
Aroclor-1242-2	(2)	62346958	64901092	68295906	70279172	64290540	66022734	5
Aroclor-1242-3	(3)	34614031	35703872	38469574	40739776	32714120	36448275	9
Aroclor-1242-4	(4)	33518120	34659665	37548334	39683016	33143760	35710579	8
Aroclor-1242-5	(5)	41214500	42688541	44971456	47258656	41407120	43508055	6
Decachlorobiphenyl		815615080	851726400	897002660	917481280	766770800	849719244	7
Tetrachloro-m-xylene		1295159620	1325412680	1503876340	1432488040	1389045200	1389196376	6
Aroclor-1248-1	(1)	30996932	35945815	36538014	39256084	37796080	36106585	9
Aroclor-1248-2	(2)	43624561	47309389	48616518	53505512	51756020	48962400	8
Aroclor-1248-3	(3)	45791659	49899927	50774174	56002176	52959580	51085503	7
Aroclor-1248-4	(4)	53871444	58562581	58680784	64889280	67282380	60657294	9
Aroclor-1248-5	(5)	52150607	56290108	57608714	65271236	60133720	58290877	8
Decachlorobiphenyl		826375100	860756013	900400040	940375840	921771600	889935719	5
Tetrachloro-m-xylene		1324712230	1514156880	1548203640	1434858960	1416930600	1447772462	6
Aroclor-1254-1	(1)	81690839	87361264	89755404	97285536	100908960	91400401	8
Aroclor-1254-2	(2)	70045476	75469849	77317914	83154376	87573280	78712179	9
Aroclor-1254-3	(3)	109725744	114103376	120096818	124380164	124235440	118508308	5
Aroclor-1254-4	(4)	70169900	74068720	77810162	81877428	81901880	77165618	7
Aroclor-1254-5	(5)	92229111	96109599	104690794	107384400	106924600	101467701	7
Decachlorobiphenyl		846307500	875335867	916104900	955261880	868223800	892246789	5
Tetrachloro-m-xylene		1390553300	1501013893	1450901500	1518608160	1468503000	1465915971	3
Aroclor-1268-1	(1)	181860271	188460193	203483780	205414332	201904640	196224643	5

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	154801411	159518377	172755008	173272408	170561360	166181713	5
Aroclor-1268-3	(3)	128491160	133089205	143083692	144773184	135469120	136981272	5
Aroclor-1268-4	(4)	56964280	59695839	63521398	64177792	55793320	60030526	6
Aroclor-1268-5	(5)	367021219	377695863	385175068	387479012	342861840	372046600	5
Decachlorobiphenyl		1499051200	1546040093	1602790460	1652739760	1464953600	1553115023	5
Tetrachloro-m-xylene		1476470990	1445952813	1464214380	1457737600	1300882000	1429051557	5

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_P **Date(s) Analyzed:** 04/22/2025 04/22/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.72	4.62	4.82	24116800
		2	4.80	4.70	4.90	18016900
		3	4.88	4.78	4.98	56611200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.88	4.78	4.98	44912000
		2	5.40	5.30	5.50	23013000
		3	5.69	5.59	5.79	47217600
		4	5.85	5.75	5.95	23179400
		5	5.94	5.84	6.04	16145700
Aroclor-1262	500	1	8.10	8.00	8.20	144491000
		2	8.42	8.32	8.52	274186000
		3	8.74	8.64	8.84	182878000
		4	8.82	8.72	8.92	134211000
		5	9.48	9.38	9.58	88162000

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_P **Date(s) Analyzed:** 04/22/2025 04/22/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Aroclor-1221	500	1	4.02	3.92	4.12	21995000
		2	4.11	4.01	4.21	16561700
		3	4.19	4.09	4.29	48477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.19	4.09	4.29	38317800
		2	4.92	4.82	5.02	38187400
		3	5.09	4.99	5.19	21175200
		4	5.18	5.08	5.28	18540400
		5	5.35	5.25	5.45	19901900
Aroclor-1262	500	1	6.94	6.84	7.04	113612000
		2	7.20	7.10	7.30	92339400
		3	7.72	7.62	7.82	75694400
		4	7.79	7.69	7.89	124826000
		5	8.29	8.19	8.39	55493200

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 09:22 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.67	5.67	5.57	5.77	0.00
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.76	5.75	5.65	5.85	-0.01
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.52	7.52	7.42	7.62	0.00
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.10	8.00	8.20	0.00
Aroclor-1260-5	(5)	8.42	8.42	8.32	8.52	0.00
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.24	10.14	10.34	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 09:22 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.35	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/06/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071800.D **Time Analyzed:** 09:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.673	5.571	5.771	439.490	500.000	-12.1
Aroclor-1016-2	5.694	5.593	5.793	454.470	500.000	-9.1
Aroclor-1016-3	5.756	5.654	5.854	444.880	500.000	-11.0
Aroclor-1016-4	5.853	5.752	5.952	443.130	500.000	-11.4
Aroclor-1016-5	6.146	6.045	6.245	456.880	500.000	-8.6
Aroclor-1260-1	7.264	7.165	7.365	480.350	500.000	-3.9
Aroclor-1260-2	7.518	7.418	7.618	472.150	500.000	-5.6
Aroclor-1260-3	7.876	7.777	7.977	456.570	500.000	-8.7
Aroclor-1260-4	8.100	8.002	8.202	439.400	500.000	-12.1
Aroclor-1260-5	8.420	8.322	8.522	461.880	500.000	-7.6
Decachlorobiphenyl	10.236	10.137	10.337	47.570	50.000	-4.9
Tetrachloro-m-xylene	4.518	4.417	4.617	45.670	50.000	-8.7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/06/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071800.D **Time Analyzed:** 09:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.893	4.798	4.998	477.790	500.000	-4.4
Aroclor-1016-2	4.912	4.816	5.016	488.710	500.000	-2.3
Aroclor-1016-3	5.089	4.993	5.193	489.730	500.000	-2.1
Aroclor-1016-4	5.131	5.036	5.236	480.630	500.000	-3.9
Aroclor-1016-5	5.345	5.250	5.450	535.400	500.000	7.1
Aroclor-1260-1	6.378	6.285	6.485	495.310	500.000	-0.9
Aroclor-1260-2	6.567	6.473	6.673	486.650	500.000	-2.7
Aroclor-1260-3	6.720	6.627	6.827	527.060	500.000	5.4
Aroclor-1260-4	7.191	7.098	7.298	498.400	500.000	-0.3
Aroclor-1260-5	7.432	7.339	7.539	484.340	500.000	-3.1
Decachlorobiphenyl	8.839	8.749	8.949	49.450	50.000	-1.1
Tetrachloro-m-xylene	3.808	3.712	3.912	48.720	50.000	-2.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 16:30 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.22	10.24	10.14	10.34	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 16:30 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/06/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071815.D **Time Analyzed:** 16:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.662	5.571	5.771	449.440	500.000	-10.1
Aroclor-1016-2	5.683	5.593	5.793	446.130	500.000	-10.8
Aroclor-1016-3	5.746	5.654	5.854	445.440	500.000	-10.9
Aroclor-1016-4	5.843	5.752	5.952	447.340	500.000	-10.5
Aroclor-1016-5	6.135	6.045	6.245	449.910	500.000	-10.0
Aroclor-1260-1	7.255	7.165	7.365	476.360	500.000	-4.7
Aroclor-1260-2	7.508	7.418	7.618	470.540	500.000	-5.9
Aroclor-1260-3	7.866	7.777	7.977	459.710	500.000	-8.1
Aroclor-1260-4	8.091	8.002	8.202	441.090	500.000	-11.8
Aroclor-1260-5	8.411	8.322	8.522	459.970	500.000	-8.0
Decachlorobiphenyl	10.224	10.137	10.337	47.460	50.000	-5.1
Tetrachloro-m-xylene	4.508	4.417	4.617	45.250	50.000	-9.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/06/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071815.D **Time Analyzed:** 16:30

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.890	4.798	4.998	490.230	500.000	-2.0
Aroclor-1016-2	4.907	4.816	5.016	469.630	500.000	-6.1
Aroclor-1016-3	5.085	4.993	5.193	482.800	500.000	-3.4
Aroclor-1016-4	5.127	5.036	5.236	472.050	500.000	-5.6
Aroclor-1016-5	5.341	5.250	5.450	513.160	500.000	2.6
Aroclor-1260-1	6.375	6.285	6.485	513.750	500.000	2.8
Aroclor-1260-2	6.563	6.473	6.673	505.100	500.000	1.0
Aroclor-1260-3	6.716	6.627	6.827	532.400	500.000	6.5
Aroclor-1260-4	7.187	7.098	7.298	498.560	500.000	-0.3
Aroclor-1260-5	7.429	7.339	7.539	489.620	500.000	-2.1
Decachlorobiphenyl	8.835	8.749	8.949	50.790	50.000	1.6
Tetrachloro-m-xylene	3.806	3.712	3.912	47.950	50.000	-4.1

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/07/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 10:04 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.22	10.24	10.14	10.34	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/07/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 10:04 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.83	8.85	8.75	8.95	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071835.D **Time Analyzed:** 10:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.657	5.571	5.771	447.310	500.000	-10.5
Aroclor-1016-2	5.680	5.593	5.793	491.530	500.000	-1.7
Aroclor-1016-3	5.743	5.654	5.854	486.440	500.000	-2.7
Aroclor-1016-4	5.840	5.752	5.952	490.090	500.000	-2.0
Aroclor-1016-5	6.133	6.045	6.245	477.650	500.000	-4.5
Aroclor-1260-1	7.252	7.165	7.365	428.970	500.000	-14.2
Aroclor-1260-2	7.505	7.418	7.618	436.270	500.000	-12.7
Aroclor-1260-3	7.864	7.777	7.977	467.010	500.000	-6.6
Aroclor-1260-4	8.088	8.002	8.202	429.700	500.000	-14.1
Aroclor-1260-5	8.407	8.322	8.522	442.650	500.000	-11.5
Decachlorobiphenyl	10.220	10.137	10.337	46.940	50.000	-6.1
Tetrachloro-m-xylene	4.506	4.417	4.617	48.110	50.000	-3.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071835.D **Time Analyzed:** 10:04

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.887	4.798	4.998	500.100	500.000	0.0
Aroclor-1016-2	4.906	4.816	5.016	524.070	500.000	4.8
Aroclor-1016-3	5.083	4.993	5.193	514.310	500.000	2.9
Aroclor-1016-4	5.124	5.036	5.236	524.310	500.000	4.9
Aroclor-1016-5	5.339	5.250	5.450	532.050	500.000	6.4
Aroclor-1260-1	6.372	6.285	6.485	514.800	500.000	3.0
Aroclor-1260-2	6.561	6.473	6.673	513.620	500.000	2.7
Aroclor-1260-3	6.713	6.627	6.827	507.560	500.000	1.5
Aroclor-1260-4	7.185	7.098	7.298	500.210	500.000	0.0
Aroclor-1260-5	7.426	7.339	7.539	490.350	500.000	-1.9
Decachlorobiphenyl	8.832	8.749	8.949	50.800	50.000	1.6
Tetrachloro-m-xylene	3.803	3.712	3.912	52.820	50.000	5.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/07/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 17:35 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.23	10.24	10.14	10.34	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/07/2025 **Initial Calibration Date(s):** 04/22/2025 04/22/2025

Continuing Calib Time: 17:35 **Initial Calibration Time(s):** 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.83	8.85	8.75	8.95	0.02

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071847.D **Time Analyzed:** 17:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.664	5.571	5.771	490.910	500.000	-1.8
Aroclor-1016-2	5.686	5.593	5.793	486.990	500.000	-2.6
Aroclor-1016-3	5.748	5.654	5.854	484.260	500.000	-3.1
Aroclor-1016-4	5.845	5.752	5.952	490.690	500.000	-1.9
Aroclor-1016-5	6.138	6.045	6.245	482.090	500.000	-3.6
Aroclor-1260-1	7.257	7.165	7.365	470.440	500.000	-5.9
Aroclor-1260-2	7.510	7.418	7.618	478.000	500.000	-4.4
Aroclor-1260-3	7.869	7.777	7.977	472.760	500.000	-5.4
Aroclor-1260-4	8.093	8.002	8.202	436.510	500.000	-12.7
Aroclor-1260-5	8.413	8.322	8.522	460.610	500.000	-7.9
Decachlorobiphenyl	10.225	10.137	10.337	48.570	50.000	-2.9
Tetrachloro-m-xylene	4.510	4.417	4.617	48.870	50.000	-2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/22/2025 04/22/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/07/2025

Lab Sample No.: AR1660CCC500 **Data File :** PP071847.D **Time Analyzed:** 17:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.889	4.798	4.998	503.880	500.000	0.8
Aroclor-1016-2	4.908	4.816	5.016	533.120	500.000	6.6
Aroclor-1016-3	5.084	4.993	5.193	516.770	500.000	3.4
Aroclor-1016-4	5.126	5.036	5.236	522.060	500.000	4.4
Aroclor-1016-5	5.341	5.250	5.450	514.370	500.000	2.9
Aroclor-1260-1	6.374	6.285	6.485	506.580	500.000	1.3
Aroclor-1260-2	6.563	6.473	6.673	500.570	500.000	0.1
Aroclor-1260-3	6.716	6.627	6.827	510.520	500.000	2.1
Aroclor-1260-4	7.187	7.098	7.298	519.530	500.000	3.9
Aroclor-1260-5	7.429	7.339	7.539	511.410	500.000	2.3
Decachlorobiphenyl	8.834	8.749	8.949	51.640	50.000	3.3
Tetrachloro-m-xylene	3.805	3.712	3.912	52.680	50.000	5.4

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_P

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/22/2025 04/22/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	04/22/2025	10:13	PP071388.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	10.23	4.51
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	10.23	4.51
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	10.24	4.52
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	10.23	4.51
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	10.24	4.52
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	10.23	4.51
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	10.23	4.51
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	10.24	4.52
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	10.24	4.51
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	10.23	4.51
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	10.24	4.52
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	10.24	4.52
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	10.24	4.52
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	10.24	4.51
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	10.24	4.51
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	10.24	4.51
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	10.24	4.52
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	10.24	4.52
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	10.24	4.52
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	10.23	4.51
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	10.24	4.51
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	10.24	4.52
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	10.24	4.51
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	10.23	4.52
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	10.24	4.52
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	10.24	4.52
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	10.24	4.51
AR1660CCC500	AR1660CCC500	05/06/2025	09:22	PP071800.D	10.24	4.52
I.BLK	I.BLK	05/06/2025	10:27	PP071804.D	10.22	4.51
PB167877BL	PB167877BL	05/06/2025	13:12	PP071807.D	10.22	4.51
PB167877BS	PB167877BS	05/06/2025	13:28	PP071808.D	10.22	4.51
SB1-3-4	Q1956-01	05/06/2025	13:45	PP071809.D	10.22	4.51
SB2-4-5	Q1956-02	05/06/2025	14:01	PP071810.D	10.22	4.51
SB2-4-5MS	Q1956-03MS	05/06/2025	14:18	PP071811.D	10.22	4.51
SB2-4-5MSD	Q1956-04MSD	05/06/2025	14:35	PP071812.D	10.22	4.51
SB91-3-4	Q1956-06	05/06/2025	14:51	PP071813.D	10.22	4.51
AR1660CCC500	AR1660CCC500	05/06/2025	16:30	PP071815.D	10.22	4.51
I.BLK	I.BLK	05/06/2025	17:51	PP071819.D	10.22	4.51
AR1660CCC500	AR1660CCC500	05/07/2025	10:04	PP071835.D	10.22	4.51
I.BLK	I.BLK	05/07/2025	11:30	PP071839.D	10.24	4.52

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Analytical Sequence

PB167890BL	PB167890BL	05/07/2025	14:35	PP071840.D	10.22	4.51
PB167890BS	PB167890BS	05/07/2025	14:52	PP071841.D	10.22	4.51
PB167890BSD	PB167890BSD	05/07/2025	15:08	PP071842.D	10.22	4.51
FB-05022025	Q1956-07	05/07/2025	15:24	PP071843.D	10.22	4.51
AR1660CCC500	AR1660CCC500	05/07/2025	17:35	PP071847.D	10.23	4.51
I.BLK	I.BLK	05/07/2025	18:40	PP071851.D	10.22	4.51

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_P

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/22/2025 04/22/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	04/22/2025	10:13	PP071388.D	8.85	3.81
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	8.85	3.81
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	8.85	3.81
AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	8.85	3.81
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	8.85	3.81
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	8.85	3.81
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	8.85	3.81
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	8.85	3.81
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	8.85	3.81
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	8.85	3.81
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	8.85	3.81
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	8.85	3.81
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	8.85	3.81
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	8.85	3.81
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	8.85	3.81
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	8.85	3.81
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	8.85	3.81
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	8.85	3.81
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	8.85	3.81
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	8.85	3.81
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	8.85	3.81
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	8.85	3.81
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	8.85	3.81
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	8.85	3.81
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	8.85	3.81
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	8.85	3.81
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	8.85	3.81
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	8.85	3.81
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	8.85	3.81
AR1660CCC500	AR1660CCC500	05/06/2025	09:22	PP071800.D	8.84	3.81
I.BLK	I.BLK	05/06/2025	10:27	PP071804.D	8.83	3.81
PB167877BL	PB167877BL	05/06/2025	13:12	PP071807.D	8.83	3.81
PB167877BS	PB167877BS	05/06/2025	13:28	PP071808.D	8.83	3.80
SB1-3-4	Q1956-01	05/06/2025	13:45	PP071809.D	8.83	3.81
SB2-4-5	Q1956-02	05/06/2025	14:01	PP071810.D	8.83	3.81
SB2-4-5MS	Q1956-03MS	05/06/2025	14:18	PP071811.D	8.83	3.81
SB2-4-5MSD	Q1956-04MSD	05/06/2025	14:35	PP071812.D	8.83	3.81
SB91-3-4	Q1956-06	05/06/2025	14:51	PP071813.D	8.83	3.81
AR1660CCC500	AR1660CCC500	05/06/2025	16:30	PP071815.D	8.84	3.81
I.BLK	I.BLK	05/06/2025	17:51	PP071819.D	8.83	3.81
AR1660CCC500	AR1660CCC500	05/07/2025	10:04	PP071835.D	8.83	3.80
I.BLK	I.BLK	05/07/2025	11:30	PP071839.D	8.84	3.81

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Analytical Sequence

PB167890BL	PB167890BL	05/07/2025	14:35	PP071840.D	8.83	3.81
PB167890BS	PB167890BS	05/07/2025	14:52	PP071841.D	8.83	3.81
PB167890BSD	PB167890BSD	05/07/2025	15:08	PP071842.D	8.83	3.81
FB-05022025	Q1956-07	05/07/2025	15:24	PP071843.D	8.83	3.81
AR1660CCC500	AR1660CCC500	05/07/2025	17:35	PP071847.D	8.83	3.81
I.BLK	I.BLK	05/07/2025	18:40	PP071851.D	8.83	3.80

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167877BL	SDG No.:	Q1956
Lab Sample ID:	PB167877BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 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
PP071807.D	1	05/06/25 08:55	05/06/25 13:12	PB167877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17.0	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	17.0	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		32 - 144	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.6		32 - 175	123%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167890BL	SDG No.:	Q1956
Lab Sample ID:	PB167890BL	Matrix:	WATER
Analytical Method:	SW8082A	% 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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071840.D	1	05/07/25 09:15	05/07/25 14:35	PB167890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		16 - 158	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		10 - 173	117%	SPK: 20

Comments:

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LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	04/22/25
Project:	Bergen Point Fueling System	Date Received:	04/22/25
Client Sample ID:	PIBLK-PP071388.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PP071388.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PP071388.D	1		04/22/25	PP042225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		60 - 140	85%	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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PP071804.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PP071804.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PP071804.D	1		05/06/25	PP050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		60 - 140	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		60 - 140	95%	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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PP071819.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PP071819.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PP071819.D	1		05/06/25	PP050625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	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	18.7		60 - 140	93%	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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	Bergen Point Fueling System	Date Received:	05/07/25
Client Sample ID:	PIBLK-PP071839.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PP071839.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PP071839.D	1		05/07/25	pp050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		60 - 140	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.5		60 - 140	83%	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

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/07/25
Project:	Bergen Point Fueling System	Date Received:	05/07/25
Client Sample ID:	PIBLK-PP071851.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PP071851.D	Matrix:	WATER
Analytical Method:	SW8082A	% 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
PP071851.D	1		05/07/25	pp050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.2		60 - 140	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		60 - 140	83%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167877BS	SDG No.:	Q1956
Lab Sample ID:	PB167877BS	Matrix:	SOIL
Analytical Method:	SW8082A	% 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
PP071808.D	1	05/06/25 08:55	05/06/25 13:28	PB167877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	152		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	151		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.4		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.1		32 - 175	121%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167890BS	SDG No.:	Q1956
Lab Sample ID:	PB167890BS	Matrix:	WATER
Analytical Method:	SW8082A	% 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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071841.D	1	05/07/25 09:15	05/07/25 14:52	PB167890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.60		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.70		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		16 - 158	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.1		10 - 173	110%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167890BSD	SDG No.:	Q1956
Lab Sample ID:	PB167890BSD	Matrix:	WATER
Analytical Method:	SW8082A	% 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 :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071842.D	1	05/07/25 09:15	05/07/25 15:08	PB167890

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.70		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.70		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		16 - 158	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.1		10 - 173	111%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.02 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
PP071811.D	1	05/06/25 08:55	05/06/25 14:18	PB167877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	187		4.20	18.2	ug/kg
11104-28-2	Aroclor-1221	18.2	U	4.30	18.2	ug/kg
11141-16-5	Aroclor-1232	18.2	U	4.00	18.2	ug/kg
53469-21-9	Aroclor-1242	18.2	U	4.30	18.2	ug/kg
12672-29-6	Aroclor-1248	18.2	U	6.30	18.2	ug/kg
11097-69-1	Aroclor-1254	89.5		3.40	18.2	ug/kg
37324-23-5	Aroclor-1262	18.2	U	5.40	18.2	ug/kg
11100-14-4	Aroclor-1268	18.2	U	3.80	18.2	ug/kg
11096-82-5	Aroclor-1260	182		3.50	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.7		32 - 144	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		32 - 175	117%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	93.5 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
PP071812.D	1	05/06/25 08:55	05/06/25 14:35	PB167877

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	181		4.20	18.2	ug/kg
11104-28-2	Aroclor-1221	18.2	U	4.30	18.2	ug/kg
11141-16-5	Aroclor-1232	18.2	U	4.00	18.2	ug/kg
53469-21-9	Aroclor-1242	18.2	U	4.30	18.2	ug/kg
12672-29-6	Aroclor-1248	18.2	U	6.30	18.2	ug/kg
11097-69-1	Aroclor-1254	91.5		3.40	18.2	ug/kg
37324-23-5	Aroclor-1262	18.2	U	5.40	18.2	ug/kg
11100-14-4	Aroclor-1268	18.2	U	3.80	18.2	ug/kg
11096-82-5	Aroclor-1260	186		3.50	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.8		32 - 144	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.7		32 - 175	114%	SPK: 20

Comments:

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Diesel Range Organics	8015D		05/08/25	05/08/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/08/25	05/08/25	
			PCB	8082A		05/07/25	05/07/25	
			Pesticide-TCL	8081B		05/08/25	05/08/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q1956 **Order ID:** Q1956

Client: CDM Smith **Project ID:** Bergen Point Fueling System

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	89 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030082.D	1	05/07/25 08:25	05/08/25 13:09	PB167891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	75.2	U	8.70	75.2	ug/Kg
120-36-5	DICHLORPROP	75.2	U	14.4	75.2	ug/Kg
94-75-7	2,4-D	75.2	U	10.1	75.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	75.2	U	10.2	75.2	ug/Kg
93-76-5	2,4,5-T	75.2	U	9.80	75.2	ug/Kg
94-82-6	2,4-DB	75.2	U	27.2	75.2	ug/Kg
88-85-7	DINOSEB	75.2	U	12.1	75.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	399		10 - 141	80%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030083.D	1	05/07/25 08:25	05/08/25 13:33	PB167891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	71.6	U	8.30	71.6	ug/Kg
120-36-5	DICHLORPROP	71.6	U	13.7	71.6	ug/Kg
94-75-7	2,4-D	71.6	U	9.70	71.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	71.6	U	9.70	71.6	ug/Kg
93-76-5	2,4,5-T	71.6	U	9.30	71.6	ug/Kg
94-82-6	2,4-DB	71.6	U	25.8	71.6	ug/Kg
88-85-7	DINOSEB	71.6	U	11.5	71.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	407		10 - 141	81%	SPK: 500

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Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	90.2 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030086.D	1	05/07/25 08:25	05/08/25 14:45	PB167891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	74.1	U	8.60	74.1	ug/Kg
120-36-5	DICHLORPROP	74.1	U	14.2	74.1	ug/Kg
94-75-7	2,4-D	74.1	U	10.0	74.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	74.1	U	10.0	74.1	ug/Kg
93-76-5	2,4,5-T	74.1	U	9.60	74.1	ug/Kg
94-82-6	2,4-DB	74.1	U	26.8	74.1	ug/Kg
88-85-7	DINOSEB	74.1	U	11.9	74.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	450		10 - 141	90%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	920 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030091.D	1	05/08/25 08:39	05/08/25 17:39	PB167912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.20	U	0.71	2.20	ug/L
120-36-5	DICHLORPROP	2.20	U	0.83	2.20	ug/L
94-75-7	2,4-D	2.20	U	1.00	2.20	ug/L
93-72-1	2,4,5-TP (Silvex)	2.20	U	0.85	2.20	ug/L
93-76-5	2,4,5-T	2.20	U	0.77	2.20	ug/L
94-82-6	2,4-DB	2.20	U	0.71	2.20	ug/L
88-85-7	DINOSEB	2.20	U	0.97	2.20	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	587		39 - 175	117%	SPK: 500

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

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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS029918.D	PIBLK-PS029918.D	2,4-DCAA	1	500	433	87		39	175
		2,4-DCAA	2	500	433	87		39	175
I.BLK-PS030072.D	PIBLK-PS030072.D	2,4-DCAA	1	500	513	103		39	175
		2,4-DCAA	2	500	522	104		39	175
PB167891BL	PB167891BL	2,4-DCAA	1	500	619	124		10	141
		2,4-DCAA	2	500	603	121		10	141
PB167891BS	PB167891BS	2,4-DCAA	1	500	565	113		10	141
		2,4-DCAA	2	500	555	111		10	141
I.BLK-PS030080.D	PIBLK-PS030080.D	2,4-DCAA	1	500	508	102		39	175
		2,4-DCAA	2	500	510	102		39	175
Q1956-01	SB1-3-4	2,4-DCAA	1	500	399	80		10	141
		2,4-DCAA	2	500	390	78		10	141
Q1956-02	SB2-4-5	2,4-DCAA	1	500	407	81		10	141
		2,4-DCAA	2	500	377	75		10	141
Q1956-03MS	SB2-4-5MS	2,4-DCAA	1	500	509	102		10	141
		2,4-DCAA	2	500	503	101		10	141
Q1956-04MSD	SB2-4-5MSD	2,4-DCAA	1	500	478	96		10	141
		2,4-DCAA	2	500	471	94		10	141
Q1956-06	SB91-3-4	2,4-DCAA	1	500	446	89		10	141
		2,4-DCAA	2	500	450	90		10	141
PB167912BL	PB167912BL	2,4-DCAA	1	500	572	114		39	175
		2,4-DCAA	2	500	554	111		39	175
PB167912BS	PB167912BS	2,4-DCAA	1	500	572	114		39	175
		2,4-DCAA	2	500	576	115		39	175
PB167912BSD	PB167912BSD	2,4-DCAA	1	500	580	116		39	175
		2,4-DCAA	2	500	580	116		39	175
Q1956-07	FB-05022025	2,4-DCAA	1	500	587	117		39	175
		2,4-DCAA	2	500	574	115		39	175
I.BLK-PS030092.D	PIBLK-PS030092.D	2,4-DCAA	1	500	511	102		39	175
		2,4-DCAA	2	500	522	104		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A **DataFile :** PS030084.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SB2-4-5MS**											
Q1956-03MS	DICAMBA	178.1	0	139	ug/Kg	78				10	112	
	DICHLORPROP	178.1	0	992	ug/Kg	557	*			10	113	
	2,4-D	178.1	0	286	ug/Kg	161	*			10	144	
	2,4,5-TP(Silvex)	178.1	0	150	ug/Kg	84				10	114	
	2,4,5-T	178.1	0	146	ug/Kg	82				10	115	
	2,4-DB	178.1	0	214	ug/Kg	120				10	140	
	Dinoseb	178.1	0	41.5	ug/Kg	23				10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A **DataFile :** PS030085.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**SB2-4-5MSD**											
Q1956-04MSD	DICAMBA	178	0	132	ug/Kg	74		5		10	112	20
	DICHLORPROP	178	0	789	ug/Kg	443	*	23	*	10	113	20
	2,4-D	178	0	263	ug/Kg	148	*	8		10	144	20
	2,4,5-TP(Silvex)	178	0	141	ug/Kg	79		6		10	114	20
	2,4,5-T	178	0	140	ug/Kg	79		4		10	115	20
	2,4-DB	178	0	209	ug/Kg	117		3		10	140	20
	Dinoseb	178	0	40.1	ug/Kg	23		0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A **Datafile :** PS030075.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167891BS	DICAMBA	166.5	179	ug/Kg	108				72	129	
	DICHLORPROP	166.5	181	ug/Kg	109				77	135	
	2,4-D	166.5	176	ug/Kg	106				65	144	
	2,4,5-TP(Silvex)	166.5	183	ug/Kg	110				74	146	
	2,4,5-T	166.5	182	ug/Kg	109				77	134	
	2,4-DB	166.5	173	ug/Kg	104				72	122	
	Dinoseb	166.5	179	ug/Kg	108				74	132	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A **Datafile :** PS030089.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167912BS	DICAMBA	5	5.60	ug/L	112				67	136	
	DICHLORPROP	5	5.50	ug/L	110				88	119	
	2,4-D	5	5.50	ug/L	110				83	130	
	2,4,5-TP(Silvex)	5	5.70	ug/L	114				78	127	
	2,4,5-T	5	5.60	ug/L	112				74	129	
	2,4-DB	5	5.50	ug/L	110				53	149	
	Dinoseb	5	5.50	ug/L	110				72	131	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A **Datafile :** PS030090.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167912BSD	DICAMBA	5	5.60	ug/L	112	0			67	136	20
	DICHLORPROP	5	5.70	ug/L	114	4			88	119	20
	2,4-D	5	5.60	ug/L	112	2			83	130	20
	2,4,5-TP(Silvex)	5	5.80	ug/L	116	2			78	127	20
	2,4,5-T	5	5.70	ug/L	114	2			74	129	20
	2,4-DB	5	5.60	ug/L	112	2			53	149	20
	Dinoseb	5	5.60	ug/L	112	2			72	131	20

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167891BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167891BL Lab File ID: PS030074.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/07/2025

Date Analyzed (1): 05/08/2025 Date Analyzed (2): 05/08/2025

Time Analyzed (1): 09:56 Time Analyzed (2): 09:56

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 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
PB167891BS	PB167891BS	PS030075.D	05/08/2025	05/08/2025
SB1-3-4	Q1956-01	PS030082.D	05/08/2025	05/08/2025
SB2-4-5	Q1956-02	PS030083.D	05/08/2025	05/08/2025
SB2-4-5MS	Q1956-03MS	PS030084.D	05/08/2025	05/08/2025
SB2-4-5MSD	Q1956-04MSD	PS030085.D	05/08/2025	05/08/2025
SB91-3-4	Q1956-06	PS030086.D	05/08/2025	05/08/2025

COMMENTS:

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167912BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167912BL Lab File ID: PS030088.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 05/08/2025

Date Analyzed (1): 05/08/2025 Date Analyzed (2): 05/08/2025

Time Analyzed (1): 15:38 Time Analyzed (2): 15:38

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 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
PB167912BS	PB167912BS	PS030089.D	05/08/2025	05/08/2025
PB167912BSD	PB167912BSD	PS030090.D	05/08/2025	05/08/2025
FB-05022025	Q1956-07	PS030091.D	05/08/2025	05/08/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167891BL	SDG No.:	Q1956
Lab Sample ID:	PB167891BL	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030074.D	1	05/07/25 08:25	05/08/25 09:56	PB167891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	67.0	U	7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	67.0	U	12.8	67.0	ug/Kg
94-75-7	2,4-D	67.0	U	9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	67.0	U	9.10	67.0	ug/Kg
93-76-5	2,4,5-T	67.0	U	8.70	67.0	ug/Kg
94-82-6	2,4-DB	67.0	U	24.2	67.0	ug/Kg
88-85-7	DINOSEB	67.0	U	10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	619		10 - 141	124%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167912BL	SDG No.:	Q1956
Lab Sample ID:	PB167912BL	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030088.D	1	05/08/25 08:39	05/08/25 15:38	PB167912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.76	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.71	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.65	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	572		39 - 175	114%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	04/23/25
Project:	Bergen Point Fueling System	Date Received:	04/23/25
Client Sample ID:	PIBLK-PS029918.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PS029918.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS029918.D	1		04/23/25	PS042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.76	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.71	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.65	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	433		39 - 175	87%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PS030072.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PS030072.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030072.D	1		05/08/25	ps050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.76	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.71	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.65	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	522		39 - 175	104%	SPK: 500

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
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D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PS030080.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PS030080.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030080.D	1		05/08/25	ps050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.76	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.71	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.65	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	510		39 - 175	102%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PS030092.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PS030092.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030092.D	1		05/08/25	PS050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.76	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.71	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.65	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	522		39 - 175	104%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167891BS	SDG No.:	Q1956
Lab Sample ID:	PB167891BS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030075.D	1	05/07/25 08:25	05/08/25 10:20	PB167891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	179		7.70	66.9	ug/Kg
120-36-5	DICHLORPROP	181		12.8	66.9	ug/Kg
94-75-7	2,4-D	176		9.00	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	183		9.10	66.9	ug/Kg
93-76-5	2,4,5-T	182		8.70	66.9	ug/Kg
94-82-6	2,4-DB	173		24.2	66.9	ug/Kg
88-85-7	DINOSEB	179		10.8	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	565		10 - 141	113%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167912BS	SDG No.:	Q1956
Lab Sample ID:	PB167912BS	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030089.D	1	05/08/25 08:39	05/08/25 16:51	PB167912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	5.60		0.65	2.00	ug/L
120-36-5	DICHLORPROP	5.50		0.76	2.00	ug/L
94-75-7	2,4-D	5.50		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.70		0.78	2.00	ug/L
93-76-5	2,4,5-T	5.60		0.71	2.00	ug/L
94-82-6	2,4-DB	5.50		0.65	2.00	ug/L
88-85-7	DINOSEB	5.50		0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	576		39 - 175	115%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167912BSD	SDG No.:	Q1956
Lab Sample ID:	PB167912BSD	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030090.D	1	05/08/25 08:39	05/08/25 17:15	PB167912

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	5.60		0.65	2.00	ug/L
120-36-5	DICHLORPROP	5.70		0.76	2.00	ug/L
94-75-7	2,4-D	5.60		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.80		0.78	2.00	ug/L
93-76-5	2,4,5-T	5.70		0.71	2.00	ug/L
94-82-6	2,4-DB	5.60		0.65	2.00	ug/L
88-85-7	DINOSEB	5.60		0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	580		39 - 175	116%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030084.D	1	05/07/25 08:25	05/08/25 13:57	PB167891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	139		8.30	71.6	ug/Kg
120-36-5	DICHLORPROP	992	EP	13.7	71.6	ug/Kg
94-75-7	2,4-D	286	P	9.70	71.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	150		9.70	71.6	ug/Kg
93-76-5	2,4,5-T	146		9.30	71.6	ug/Kg
94-82-6	2,4-DB	214	P	25.9	71.6	ug/Kg
88-85-7	DINOSEB	41.5	JP	11.5	71.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	509		10 - 141	102%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030085.D	1	05/07/25 08:25	05/08/25 14:21	PB167891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	132		8.30	71.5	ug/Kg
120-36-5	DICHLORPROP	789	EP	13.7	71.5	ug/Kg
94-75-7	2,4-D	263	P	9.70	71.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	141		9.70	71.5	ug/Kg
93-76-5	2,4,5-T	140		9.30	71.5	ug/Kg
94-82-6	2,4-DB	209	P	25.8	71.5	ug/Kg
88-85-7	DINOSEB	40.1	JP	11.5	71.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	478		10 - 141	96%	SPK: 500

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_S **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:01 12:37

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS029919.D RT 500 = PS029920.D

RT 750 = PS029921.D RT 1000 = PS029922.D RT 1500 = PS029923.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.15	9.15	9.14	9.14	9.14	9.14	9.04	9.24
2,4,5-TP(Silvex)	8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
2,4-D	8.02	8.02	8.02	8.02	8.02	8.02	7.92	8.12
2,4-DB	9.70	9.70	9.70	9.70	9.70	9.70	9.60	9.80
2,4-DCAA	6.94	6.94	6.94	6.94	6.94	6.94	6.84	7.04
DICAMBA	7.12	7.12	7.12	7.12	7.12	7.12	7.02	7.22
DICHLORPROP	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Dinoseb	10.87	10.87	10.87	10.87	10.87	10.87	10.77	10.97

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_S **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:01 12:37

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS029919.D RT 500 = PS029920.D

RT 750 = PS029921.D RT 1000 = PS029922.D RT 1500 = PS029923.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.95	9.95	9.95	9.95	9.95	9.95	9.85	10.05
2,4,5-TP(Silvex)	9.54	9.54	9.54	9.54	9.54	9.54	9.44	9.64
2,4-D	8.66	8.66	8.66	8.66	8.66	8.66	8.56	8.76
2,4-DB	10.51	10.51	10.51	10.51	10.51	10.51	10.41	10.61
2,4-DCAA	7.47	7.47	7.47	7.47	7.47	7.47	7.37	7.57
DICAMBA	7.65	7.65	7.65	7.65	7.65	7.65	7.55	7.75
DICHLORPROP	8.35	8.35	8.35	8.35	8.35	8.35	8.25	8.45
Dinoseb	10.88	10.88	10.88	10.88	10.88	10.88	10.78	10.98

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_S **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:01 12:37

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS029919.D **CF 500 =** PS029920.D

CF 750 = PS029921.D **CF 1000 =** PS029922.D **CF 1500 =** PS029923.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16505300000	14051400000	13586300000	13082600000	13039900000	14053100000	10
2,4,5-TP(Silvex)	16213200000	13862200000	13431300000	12910500000	12897000000	13862800000	10
2,4-D	3379530000	2797950000	2695740000	2590800000	2600340000	2812870000	12
2,4-DB	2544360000	2254920000	2220820000	2167640000	2239040000	2285360000	7
2,4-DCAA	3038250000	2463560000	2343090000	2233670000	2226830000	2461080000	14
DICAMBA	11438400000	9878540000	9619200000	9265370000	9312840000	9902870000	9
DICHLORPROP	3106740000	2525040000	2414030000	2305320000	2319400000	2534110000	13
Dinoseb	12057500000	10136700000	9900160000	9369950000	9402820000	10173400000	11

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_S **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:01 12:37

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS029919.D **CF 500 =** PS029920.D

CF 750 = PS029921.D **CF 1000 =** PS029922.D **CF 1500 =** PS029923.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	8525110000	7667180000	7627750000	7425390000	7567570000	7762600000	6
2,4,5-TP(Silvex)	8841790000	8081200000	8077540000	7871670000	8036560000	8181750000	5
2,4-D	1299090000	1113240000	1091000000	1054800000	1077400000	1127110000	9
2,4-DB	882651000	763494000	795790000	776318000	805960000	804842000	6
2,4-DCAA	807639000	692361000	682858000	661991000	677736000	704517000	8
DICAMBA	4120140000	3813580000	3900860000	3853240000	4062500000	3950060000	3
DICHLORPROP	1163430000	987784000	972110000	937504000	958998000	1003960000	9
Dinoseb	6538160000	5743240000	5708570000	5526360000	5638570000	5830980000	7

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 09:28 **Initial Calibration Time(s):** 11:01 12:37

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.13	7.12	7.02	7.22	-0.01
2,4-DCAA	6.95	6.94	6.84	7.04	-0.01
DICHLORPROP	7.81	7.80	7.70	7.90	-0.01
2,4-D	8.03	8.02	7.92	8.12	-0.01
2,4,5-TP(Silvex)	8.87	8.86	8.76	8.96	-0.01
2,4,5-T	9.15	9.14	9.04	9.24	-0.01
2,4-DB	9.71	9.70	9.60	9.80	-0.01
Dinoseb	10.87	10.87	10.77	10.97	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 09:28 **Initial Calibration Time(s):** 11:01 12:37

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.65	7.65	7.55	7.75	0.01
2,4-DCAA	7.46	7.47	7.37	7.57	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.65	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.93	9.95	9.85	10.05	0.02
2,4-DB	10.49	10.51	10.41	10.61	0.02
Dinoseb	10.87	10.88	10.78	10.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030073.D **Time Analyzed:** 09:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.154	9.044	9.244	696.620	712.500	-2.2
2,4,5-TP(Silvex)	8.872	8.762	8.962	700.370	712.500	-1.7
2,4-D	8.030	7.919	8.119	680.540	705.000	-3.5
2,4-DB	9.713	9.603	9.803	673.260	712.500	-5.5
2,4-DCAA	6.954	6.842	7.042	710.520	750.000	-5.3
DICAMBA	7.130	7.018	7.218	684.650	705.000	-2.9
DICHLORPROP	7.811	7.699	7.899	674.330	705.000	-4.4
Dinoseb	10.874	10.766	10.966	683.770	705.000	-3.0

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030073.D **Time Analyzed:** 09:28

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.934	9.847	10.047	695.970	712.500	-2.3
2,4,5-TP(Silvex)	9.530	9.442	9.642	713.980	712.500	0.2
2,4-D	8.651	8.561	8.761	674.960	705.000	-4.3
2,4-DB	10.493	10.407	10.607	678.850	712.500	-4.7
2,4-DCAA	7.459	7.367	7.567	723.850	750.000	-3.5
DICAMBA	7.645	7.553	7.753	704.770	705.000	0.0
DICHLORPROP	8.338	8.248	8.448	689.710	705.000	-2.2
Dinoseb	10.866	10.781	10.981	680.570	705.000	-3.5

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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 12:45 **Initial Calibration Time(s):** 11:01 12:37

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.11	7.12	7.02	7.22	0.01
2,4-DCAA	6.94	6.94	6.84	7.04	0.00
DICHLORPROP	7.79	7.80	7.70	7.90	0.01
2,4-D	8.01	8.02	7.92	8.12	0.01
2,4,5-TP(Silvex)	8.86	8.86	8.76	8.96	0.01
2,4,5-T	9.14	9.14	9.04	9.24	0.00
2,4-DB	9.69	9.70	9.60	9.80	0.01
Dinoseb	10.86	10.87	10.77	10.97	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 12:45 **Initial Calibration Time(s):** 11:01 12:37

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.65	7.65	7.55	7.75	0.00
2,4-DCAA	7.46	7.47	7.37	7.57	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.65	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.94	9.95	9.85	10.05	0.01
2,4-DB	10.49	10.51	10.41	10.61	0.02
Dinoseb	10.87	10.88	10.78	10.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030081.D **Time Analyzed:** 12:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.137	9.044	9.244	746.170	712.500	4.7
2,4,5-TP(Silvex)	8.855	8.762	8.962	739.080	712.500	3.7
2,4-D	8.013	7.919	8.119	718.450	705.000	1.9
2,4-DB	9.694	9.603	9.803	744.710	712.500	4.5
2,4-DCAA	6.937	6.842	7.042	763.730	750.000	1.8
DICAMBA	7.113	7.018	7.218	730.480	705.000	3.6
DICHLORPROP	7.793	7.699	7.899	709.570	705.000	0.6
Dinoseb	10.857	10.766	10.966	679.450	705.000	-3.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030081.D **Time Analyzed:** 12:45

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.935	9.847	10.047	763.550	712.500	7.2
2,4,5-TP(Silvex)	9.530	9.442	9.642	779.490	712.500	9.4
2,4-D	8.651	8.561	8.761	733.060	705.000	4.0
2,4-DB	10.493	10.407	10.607	731.240	712.500	2.6
2,4-DCAA	7.460	7.367	7.567	779.400	750.000	3.9
DICAMBA	7.646	7.553	7.753	772.630	705.000	9.6
DICHLORPROP	8.339	8.248	8.448	744.450	705.000	5.6
Dinoseb	10.867	10.781	10.981	739.590	705.000	4.9

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 18:52 **Initial Calibration Time(s):** 11:01 12:37

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.12	7.12	7.02	7.22	0.00
2,4-DCAA	6.94	6.94	6.84	7.04	0.00
DICHLORPROP	7.80	7.80	7.70	7.90	0.00
2,4-D	8.02	8.02	7.92	8.12	0.00
2,4,5-TP(Silvex)	8.86	8.86	8.76	8.96	0.00
2,4,5-T	9.14	9.14	9.04	9.24	0.00
2,4-DB	9.70	9.70	9.60	9.80	0.00
Dinoseb	10.86	10.87	10.77	10.97	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 18:52 **Initial Calibration Time(s):** 11:01 12:37

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.65	7.65	7.55	7.75	0.01
2,4-DCAA	7.46	7.47	7.37	7.57	0.01
DICHLORPROP	8.34	8.35	8.25	8.45	0.01
2,4-D	8.65	8.66	8.56	8.76	0.01
2,4,5-TP(Silvex)	9.53	9.54	9.44	9.64	0.01
2,4,5-T	9.93	9.95	9.85	10.05	0.02
2,4-DB	10.49	10.51	10.41	10.61	0.02
Dinoseb	10.87	10.88	10.78	10.98	0.01

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030093.D **Time Analyzed:** 18:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.144	9.044	9.244	755.420	712.500	6.0
2,4,5-TP(Silvex)	8.862	8.762	8.962	754.240	712.500	5.9
2,4-D	8.020	7.919	8.119	728.010	705.000	3.3
2,4-DB	9.702	9.603	9.803	749.540	712.500	5.2
2,4-DCAA	6.944	6.842	7.042	767.130	750.000	2.3
DICAMBA	7.120	7.018	7.218	737.180	705.000	4.6
DICHLORPROP	7.801	7.699	7.899	720.830	705.000	2.2
Dinoseb	10.864	10.766	10.966	730.240	705.000	3.6

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/08/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030093.D **Time Analyzed:** 18:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.934	9.847	10.047	769.150	712.500	8.0
2,4,5-TP(Silvex)	9.530	9.442	9.642	785.490	712.500	10.2
2,4-D	8.651	8.561	8.761	745.890	705.000	5.8
2,4-DB	10.492	10.407	10.607	715.160	712.500	0.4
2,4-DCAA	7.459	7.367	7.567	782.710	750.000	4.4
DICAMBA	7.645	7.553	7.753	776.270	705.000	10.1
DICHLORPROP	8.338	8.248	8.448	750.880	705.000	6.5
Dinoseb	10.866	10.781	10.981	744.820	705.000	5.6

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/23/2025 04/23/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	04/23/2025	10:37	PS029918.D	6.94	0.00
HSTDICC200	HSTDICC200	04/23/2025	11:01	PS029919.D	6.94	0.00
HSTDICC500	HSTDICC500	04/23/2025	11:25	PS029920.D	6.94	0.00
HSTDICC750	HSTDICC750	04/23/2025	11:49	PS029921.D	6.94	0.00
HSTDICC1000	HSTDICC1000	04/23/2025	12:13	PS029922.D	6.94	0.00
HSTDICC1500	HSTDICC1500	04/23/2025	12:37	PS029923.D	6.94	0.00
I.BLK	I.BLK	05/08/2025	08:38	PS030072.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/08/2025	09:28	PS030073.D	6.95	0.00
PB167891BL	PB167891BL	05/08/2025	09:56	PS030074.D	6.94	0.00
PB167891BS	PB167891BS	05/08/2025	10:20	PS030075.D	6.94	0.00
I.BLK	I.BLK	05/08/2025	12:21	PS030080.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/08/2025	12:45	PS030081.D	6.94	0.00
SB1-3-4	Q1956-01	05/08/2025	13:09	PS030082.D	6.94	0.00
SB2-4-5	Q1956-02	05/08/2025	13:33	PS030083.D	6.94	0.00
SB2-4-5MS	Q1956-03MS	05/08/2025	13:57	PS030084.D	6.94	0.00
SB2-4-5MSD	Q1956-04MSD	05/08/2025	14:21	PS030085.D	6.94	0.00
SB91-3-4	Q1956-06	05/08/2025	14:45	PS030086.D	6.94	0.00
PB167912BL	PB167912BL	05/08/2025	15:38	PS030088.D	6.94	0.00
PB167912BS	PB167912BS	05/08/2025	16:51	PS030089.D	6.94	0.00
PB167912BSD	PB167912BSD	05/08/2025	17:15	PS030090.D	6.94	0.00
FB-05022025	Q1956-07	05/08/2025	17:39	PS030091.D	6.94	0.00
I.BLK	I.BLK	05/08/2025	18:03	PS030092.D	6.94	0.00
HSTDCCC750	HSTDCCC750	05/08/2025	18:52	PS030093.D	6.94	0.00

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 04/23/2025 04/23/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	04/23/2025	10:37	PS029918.D	7.47	0.00
HSTDICC200	HSTDICC200	04/23/2025	11:01	PS029919.D	7.47	0.00
HSTDICC500	HSTDICC500	04/23/2025	11:25	PS029920.D	7.47	0.00
HSTDICC750	HSTDICC750	04/23/2025	11:49	PS029921.D	7.47	0.00
HSTDICC1000	HSTDICC1000	04/23/2025	12:13	PS029922.D	7.47	0.00
HSTDICC1500	HSTDICC1500	04/23/2025	12:37	PS029923.D	7.47	0.00
I.BLK	I.BLK	05/08/2025	08:38	PS030072.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/08/2025	09:28	PS030073.D	7.46	0.00
PB167891BL	PB167891BL	05/08/2025	09:56	PS030074.D	7.46	0.00
PB167891BS	PB167891BS	05/08/2025	10:20	PS030075.D	7.46	0.00
I.BLK	I.BLK	05/08/2025	12:21	PS030080.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/08/2025	12:45	PS030081.D	7.46	0.00
SB1-3-4	Q1956-01	05/08/2025	13:09	PS030082.D	7.46	0.00
SB2-4-5	Q1956-02	05/08/2025	13:33	PS030083.D	7.46	0.00
SB2-4-5MS	Q1956-03MS	05/08/2025	13:57	PS030084.D	7.46	0.00
SB2-4-5MSD	Q1956-04MSD	05/08/2025	14:21	PS030085.D	7.46	0.00
SB91-3-4	Q1956-06	05/08/2025	14:45	PS030086.D	7.46	0.00
PB167912BL	PB167912BL	05/08/2025	15:38	PS030088.D	7.46	0.00
PB167912BS	PB167912BS	05/08/2025	16:51	PS030089.D	7.46	0.00
PB167912BSD	PB167912BSD	05/08/2025	17:15	PS030090.D	7.46	0.00
FB-05022025	Q1956-07	05/08/2025	17:39	PS030091.D	7.46	0.00
I.BLK	I.BLK	05/08/2025	18:03	PS030092.D	7.46	0.00
HSTDCCC750	HSTDCCC750	05/08/2025	18:52	PS030093.D	7.46	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167891BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167891BS **Date(s) Analyzed:** 05/08/2025 05/08/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-T	1	9.14	9.09	9.19	182	1.7
	2	9.94	9.89	9.99	179	
2,4,5-TP(Silvex)	1	8.86	8.81	8.91	182	0.5
	2	9.53	9.48	9.58	183	
2,4-D	1	8.01	7.96	8.06	175	0.6
	2	8.65	8.60	8.70	176	
2,4-DB	1	9.70	9.65	9.75	173	0
	2	10.49	10.44	10.54	173	
DICHLORPROP	1	7.79	7.74	7.84	175	3.4
	2	8.34	8.29	8.39	181	
Dinoseb	1	10.86	10.81	10.91	179	2.8
	2	10.87	10.82	10.92	174	
DICAMBA	1	7.11	7.06	7.16	178	0.6
	2	7.65	7.60	7.70	179	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.
PB167912BS

Contract: CAMP02
Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956
Lab Sample ID: PB167912BS **Date(s) Analyzed:** 05/08/2025 05/08/2025
Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S
GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	7.79	7.74	7.84	5.30	3.7
	2	8.34	8.29	8.39	5.50	
2,4-D	1	8.01	7.96	8.06	5.50	0
	2	8.65	8.60	8.70	5.50	
2,4,5-TP(Silvex)	1	8.86	8.81	8.91	5.60	1.8
	2	9.53	9.48	9.58	5.70	
2,4,5-T	1	9.14	9.09	9.19	5.60	0
	2	9.93	9.88	9.98	5.60	
2,4-DB	1	9.70	9.65	9.75	5.50	5.6
	2	10.49	10.44	10.54	5.20	
Dinoseb	1	10.86	10.81	10.91	5.50	1.8
	2	10.87	10.82	10.92	5.40	
DICAMBA	1	7.11	7.06	7.16	5.40	3.6
	2	7.65	7.60	7.70	5.60	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167912BSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167912BSD **Date(s) Analyzed:** 05/08/2025 05/08/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	7.79	7.74	7.84	5.40	5.4
	2	8.34	8.29	8.39	5.70	
2,4-D	1	8.01	7.96	8.06	5.50	1.8
	2	8.65	8.60	8.70	5.60	
2,4,5-TP(Silvex)	1	8.86	8.81	8.91	5.70	1.7
	2	9.53	9.48	9.58	5.80	
2,4,5-T	1	9.14	9.09	9.19	5.70	0
	2	9.94	9.89	9.99	5.70	
2,4-DB	1	9.70	9.65	9.75	5.60	1.8
	2	10.49	10.44	10.54	5.50	
Dinoseb	1	10.86	10.81	10.91	5.50	1.8
	2	10.87	10.82	10.92	5.60	
DICAMBA	1	7.11	7.06	7.16	5.50	1.8
	2	7.65	7.60	7.70	5.60	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-03MS **Date(s) Analyzed:** 05/08/2025 05/08/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	7.81	7.76	7.86	992	140.9
	2	8.34	8.29	8.39	172	
2,4-D	1	8.01	7.96	8.06	286	50.9
	2	8.65	8.60	8.70	170	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	129	15.1
	2	9.53	9.48	9.58	150	
2,4,5-T	1	9.14	9.09	9.19	138	5.6
	2	9.93	9.88	9.98	146	
2,4-DB	1	9.70	9.65	9.75	163	27.1
	2	10.49	10.44	10.54	214	
Dinoseb	1	10.86	10.81	10.91	29.6	33.5
	2	10.86	10.81	10.91	41.5	
DICAMBA	1	7.11	7.06	7.16	129	7.5
	2	7.65	7.60	7.70	139	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-04MSD **Date(s) Analyzed:** 05/08/2025 05/08/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	122	14.4
	2	9.53	9.48	9.58	141	
2,4,5-T	1	9.14	9.09	9.19	130	7.4
	2	9.93	9.88	9.98	140	
DICHLORPROP	1	7.81	7.76	7.86	789	131.5
	2	8.34	8.29	8.39	163	
2,4-D	1	8.01	7.96	8.06	263	42.4
	2	8.65	8.60	8.70	171	
2,4-DB	1	9.70	9.65	9.75	149	33.5
	2	10.49	10.44	10.54	209	
Dinoseb	1	10.86	10.81	10.91	26.9	39.4
	2	10.86	10.81	10.91	40.1	
DICAMBA	1	7.11	7.06	7.16	123	7.1
	2	7.65	7.60	7.70	132	

Alliance TECHNICAL GROUP

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-05	**COMP1**	**TCLP**			**05/02/25**			**05/02/25**
			TCLP Herbicide	8151A		05/12/25	05/12/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Diesel Range Organics	8015D		05/08/25	05/08/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/08/25	05/08/25	
			PCB	8082A		05/07/25	05/07/25	
			Pesticide-TCL	8081B		05/08/25	05/08/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956 **Order ID:** Q1956

Client: CDM Smith **Project ID:** Bergen Point Fueling System

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	05/12/25
Client Sample ID:	PB167851TB	SDG No.:	Q1956
Lab Sample ID:	PB167851TB	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030141.D	1	05/12/25 12:00	05/12/25 20:34	PB167968

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	20.0	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	20.0	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	825		39 - 175	165%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1	SDG No.:	Q1956
Lab Sample ID:	Q1956-05	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030142.D	1	05/12/25 12:00	05/12/25 20:59	PB167968

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	20.0	U	9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	20.0	U	7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	805		39 - 175	161%	SPK: 500

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

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Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS030124.D	PIBLK-PS030124.D	2,4-DCAA	1	500	419	84		39	175
		2,4-DCAA	2	500	418	84		39	175
I.BLK-PS030137.D	PIBLK-PS030137.D	2,4-DCAA	1	500	422	84		39	175
		2,4-DCAA	2	500	432	86		39	175
PB167968BL	PB167968BL	2,4-DCAA	1	500	540	108		39	175
		2,4-DCAA	2	500	511	102		39	175
PB167968BS	PB167968BS	2,4-DCAA	1	500	517	103		39	175
		2,4-DCAA	2	500	523	105		39	175
PB167851TB	PB167851TB	2,4-DCAA	1	500	825	165		39	175
		2,4-DCAA	2	500	462	92		39	175
Q1956-05	COMP1	2,4-DCAA	1	500	805	161		39	175
		2,4-DCAA	2	500	432	86		39	175
Q1956-05MS	COMP1MS	2,4-DCAA	1	500	779	156		39	175
		2,4-DCAA	2	500	439	88		39	175
Q1956-05MSD	COMP1MSD	2,4-DCAA	1	500	759	152		39	175
		2,4-DCAA	2	500	434	87		39	175
I.BLK-PS030145.D	PIBLK-PS030145.D	2,4-DCAA	1	500	432	86		39	175
		2,4-DCAA	2	500	440	88		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A **DataFile :** PS030143.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**COMP1MS**											
Q1956-05MS	2,4-D	50	0	53.8	ug/L	108				65	135	
	2,4,5-TP(Silvex)	50	0	50.5	ug/L	101				62	139	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A **DataFile :** PS030144.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**COMP1MSD**											
Q1956-05MSD	2,4-D	50	0	52.9	ug/L	106		2		65	135	20
	2,4,5-TP(Silvex)	50	0	49.6	ug/L	99		2		62	139	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8151A **Datafile :** PS030140.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167968BS	2,4-D	5	4.90	ug/L	98				83	130	
	2,4,5-TP(Silvex)	5	5.00	ug/L	100				78	127	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167968BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167968BL Lab File ID: PS030139.D

Matrix: (soil/water) water Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 05/12/2025

Date Analyzed (1): 05/12/2025 Date Analyzed (2): 05/12/2025

Time Analyzed (1): 19:46 Time Analyzed (2): 19:46

Instrument ID (1): ECD_S Instrument ID (2): ECD_S

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLP2 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
PB167968BS	PB167968BS	PS030140.D	05/12/2025	05/12/2025
PB167851TB	PB167851TB	PS030141.D	05/12/2025	05/12/2025
COMP1	Q1956-05	PS030142.D	05/12/2025	05/12/2025
COMP1MS	Q1956-05MS	PS030143.D	05/12/2025	05/12/2025
COMP1MSD	Q1956-05MSD	PS030144.D	05/12/2025	05/12/2025

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167968BL	SDG No.:	Q1956
Lab Sample ID:	PB167968BL	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030139.D	1	05/12/25 12:00	05/12/25 19:46	PB167968

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	2.00	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	540		39 - 175	108%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	Bergen Point Fueling System	Date Received:	05/12/25
Client Sample ID:	PIBLK-PS030124.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PS030124.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030124.D	1		05/12/25	PS051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	2.00	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	419		39 - 175	84%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	Bergen Point Fueling System	Date Received:	05/12/25
Client Sample ID:	PIBLK-PS030137.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PS030137.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030137.D	1		05/12/25	ps051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	2.00	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	432		39 - 175	86%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	Bergen Point Fueling System	Date Received:	05/12/25
Client Sample ID:	PIBLK-PS030145.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PS030145.D	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030145.D	1		05/12/25	ps051225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	2.00	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	440		39 - 175	88%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167968BS	SDG No.:	Q1956
Lab Sample ID:	PB167968BS	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030140.D	1	05/12/25 12:00	05/12/25 20:10	PB167968

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	4.90		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.00		0.78	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	523		39 - 175	105%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-05MS	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030143.D	1	05/12/25 12:00	05/12/25 21:23	PB167968

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	53.8		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	50.5		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	779		39 - 175	156%	SPK: 500

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-05MSD	Matrix:	TCLP
Analytical Method:	8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030144.D	1	05/12/25 12:00	05/12/25 21:47	PB167968

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
94-75-7	2,4-D	52.9		9.20	20.0	ug/L
93-72-1	2,4,5-TP (Silvex)	49.6		7.80	20.0	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	759		39 - 175	152%	SPK: 500

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

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

GC Column: RTX-CLP ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS030125.D RT 500 = PS030126.D

RT 750 = PS030127.D RT 1000 = PS030128.D RT 1500 = PS030129.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
2,4-D	8.01	8.01	8.01	8.01	8.01	8.01	7.91	8.11
2,4-DCAA	6.93	6.93	6.93	6.93	6.93	6.93	6.83	7.03

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

GC Column: RTX-CLP2 ID: 0.32 (mm)

LAB FILE ID: RT 200 = PS030125.D RT 500 = PS030126.D

RT 750 = PS030127.D RT 1000 = PS030128.D RT 1500 = PS030129.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-TP(Silvex)	9.52	9.52	9.52	9.52	9.52	9.52	9.42	9.62
2,4-D	8.64	8.65	8.64	8.65	8.65	8.64	8.54	8.74
2,4-DCAA	7.45	7.45	7.45	7.45	7.45	7.45	7.35	7.55

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS030125.D **CF 500 =** PS030126.D

CF 750 = PS030127.D **CF 1000 =** PS030128.D **CF 1500 =** PS030129.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	19321200000	16303400000	15619800000	15128700000	14606800000	16196000000	11
2,4-D	4048870000	3291910000	3113030000	3014870000	2926010000	3278940000	14
2,4-DCAA	3540840000	2868830000	2702520000	2609290000	2517560000	2847810000	14

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_S **Calibration Date(s):** 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

LAB FILE ID: **CF 200 =** PS030125.D **CF 500 =** PS030126.D

CF 750 = PS030127.D **CF 1000 =** PS030128.D **CF 1500 =** PS030129.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-TP(Silvex)	10913400000	9868000000	9697110000	9517670000	9255920000	9850430000	6
2,4-D	1480680000	1290430000	1248060000	1225910000	1207420000	1290500000	9
2,4-DCAA	922885000	799420000	773490000	758361000	746863000	800204000	9

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INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: _____ **Date(s) Analyzed:** _____ _____

GC Column: _____ **ID:** _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
		1				
		2				
		3				
		4				
		5				

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 18:58 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 18:58 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
2,4-D	8.65	8.64	8.54	8.74	-0.01
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030138.D **Time Analyzed:** 18:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	8.851	8.750	8.950	717.430	712.500	0.7
2,4-D	8.009	7.910	8.110	700.620	705.000	-0.6
2,4-DCAA	6.934	6.834	7.034	744.030	750.000	-0.8

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL01 **Date Analyzed:** 05/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030138.D **Time Analyzed:** 18:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.523	9.423	9.623	737.880	712.500	3.6
2,4-D	8.645	8.544	8.744	715.360	705.000	1.5
2,4-DCAA	7.454	7.354	7.554	767.100	750.000	2.3

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 22:35 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/12/2025 **Initial Calibration Date(s):** 05/12/2025 05/12/2025

Continuing Calib Time: 22:35 **Initial Calibration Time(s):** 12:30 14:06

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)**

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
2,4-D	8.65	8.64	8.54	8.74	-0.01
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030146.D **Time Analyzed:** 22:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	8.851	8.750	8.950	714.210	712.500	0.2
2,4-D	8.009	7.910	8.110	694.380	705.000	-1.5
2,4-DCAA	6.933	6.834	7.034	738.380	750.000	-1.5

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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 05/12/2025 05/12/2025

Client Sample No.: CCAL02 **Date Analyzed:** 05/12/2025

Lab Sample No.: HSTDCCC750 **Data File :** PS030146.D **Time Analyzed:** 22:35

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-TP(Silvex)	9.523	9.423	9.623	726.310	712.500	1.9
2,4-D	8.645	8.544	8.744	712.660	705.000	1.1
2,4-DCAA	7.454	7.354	7.554	755.150	750.000	0.7

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/12/2025 05/12/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	05/12/2025	12:06	PS030124.D	6.93	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	6.93	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	6.93	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	6.93	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	6.93	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	6.93	0.00
I.BLK	I.BLK	05/12/2025	18:34	PS030137.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/12/2025	18:58	PS030138.D	6.93	0.00
PB167968BL	PB167968BL	05/12/2025	19:46	PS030139.D	6.93	0.00
PB167968BS	PB167968BS	05/12/2025	20:10	PS030140.D	6.93	0.00
PB167851TB	PB167851TB	05/12/2025	20:34	PS030141.D	6.94	0.00
COMP1	Q1956-05	05/12/2025	20:59	PS030142.D	6.94	0.00
COMP1MS	Q1956-05MS	05/12/2025	21:23	PS030143.D	6.94	0.00
COMP1MSD	Q1956-05MSD	05/12/2025	21:47	PS030144.D	6.94	0.00
I.BLK	I.BLK	05/12/2025	22:11	PS030145.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/12/2025	22:35	PS030146.D	6.93	0.00

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 05/12/2025 05/12/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	05/12/2025	12:06	PS030124.D	7.45	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	7.45	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	7.45	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	7.45	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	7.45	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	7.45	0.00
I.BLK	I.BLK	05/12/2025	18:34	PS030137.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/12/2025	18:58	PS030138.D	7.45	0.00
PB167968BL	PB167968BL	05/12/2025	19:46	PS030139.D	7.45	0.00
PB167968BS	PB167968BS	05/12/2025	20:10	PS030140.D	7.45	0.00
PB167851TB	PB167851TB	05/12/2025	20:34	PS030141.D	7.45	0.00
COMP1	Q1956-05	05/12/2025	20:59	PS030142.D	7.45	0.00
COMP1MS	Q1956-05MS	05/12/2025	21:23	PS030143.D	7.45	0.00
COMP1MSD	Q1956-05MSD	05/12/2025	21:47	PS030144.D	7.45	0.00
I.BLK	I.BLK	05/12/2025	22:11	PS030145.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/12/2025	22:35	PS030146.D	7.45	0.00

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP1MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-05MS **Date(s) Analyzed:** 05/12/2025 05/12/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.01	7.96	8.06	53.8	2.1
	2	8.64	8.59	8.69	52.7	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	50.1	0.8
	2	9.52	9.47	9.57	50.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

COMP1MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-05MSD **Date(s) Analyzed:** 05/12/2025 05/12/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.01	7.96	8.06	52.9	3.3
	2	8.65	8.60	8.70	51.2	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	49.3	0.6
	2	9.52	9.47	9.57	49.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167968BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167968BS **Date(s) Analyzed:** 05/12/2025 05/12/2025

Instrument ID (1): ECD_S **Instrument ID (2):** ECD_S

GC Column: (1): RTX-CLP **ID:** 0.32 (mm) **GC Column:(2):** RTX-CLP2 **ID:** 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
2,4-D	1	8.01	7.96	8.06	4.90	0
	2	8.65	8.60	8.70	4.90	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	5.00	0
	2	9.52	9.47	9.57	5.00	

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-05	**COMP1**	**TCLP**			**05/02/25**			**05/02/25**
			TCLP Herbicide	8151A		05/12/25	05/12/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/07/25	05/08/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Diesel Range Organics	8015D		05/08/25	05/08/25	
			Gasoline Range Organics	8015D			05/06/25	
			Herbicide	8151A		05/08/25	05/08/25	
			PCB	8082A		05/07/25	05/07/25	
			Pesticide-TCL	8081B		05/08/25	05/08/25	

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	89 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015826.D	1	05/13/25 10:05	05/13/25 17:22	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1510	J	190	1870	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	17.4		37 - 130	87%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015827.D	1	05/13/25 10:05	05/13/25 17:51	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1400	J	180	1780	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	12.8		37 - 130	64%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	90.2 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015830.D	1	05/13/25 10:05	05/13/25 19:19	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1830	J	187	1850	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	18.3		37 - 130	91%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	800 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015813.D	1	05/08/25 08:41	05/08/25 13:59	PB167913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	22.0	J	8.00	62.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	16.8		29 - 130	84%	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

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SOIL DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: Chemtech Client: CDM Smith

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

EPA SAMPLE NO.	S1 TETRACOSANE-d50	S2	S3	S4	TOT OUT
PIBLK-FF015807.D	77				0
PIBLK-FF015814.D	78				0
PIBLK-FG015817.D	96				0
PIBLK-FG015824.D	85				0
PIBLK-FG015834.D	96				0
PB167913BL	74				0
PB167913BS	92				0
PB167913BSD	93				0
PB167975BL	87				0
PB167975BS	93				0
SB1-3-4	87				0
SB2-4-5	64				0
SB2-4-5MS	58				0
SB2-4-5MSD	60				0
SB91-3-4	91				0
FB-05022025	84				0

	QC LIMITS
TETRACOSANE-d50	For Water : 29-130 For Soil : 37-130

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate Diluted Out

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SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Client SampleID : SB2-4-5MS **Datafile:** FG015828.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7123	1400	7673	88%		68-131

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SOIL DIESEL RANGE ORGANICS MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Client SampleID : SB2-4-5MSD **Datafile:** FG015829.D

COMPOUND	SPIKE ADDED ug/kg	SAMPLE CONCENTRATION ug/kg	MS/MSD CONCENTRATION ug/kg	% REC	Qual	QC LIMITS
DRO	7121	1400	7822	90%		68-131

MS/MSD % Recovery RPD : 2.4

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WATER DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Matrix Spike - EPA Sample No : PB167913BS **Datafile:** FF015811.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
DRO	200	0	189	94	78-117

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WATER DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Matrix Spike - EPA Sample No : PB167913BSD **Datafile:** FF015812.D

COMPOUND	SPIKE ADDED ug/L	CONCENTRATION ug/L	LCS/LCSD CONCENTRATION ug/L	% REC	QC LIMITS
DRO	200	0	193	96	78-117

LCS/LCSD % Recovery RPD : 2.1

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SOIL DIESEL RANGE ORGANICS LABORATORY CONTROL SPIKE/LABORATORY CONTROL SPIKE DUPLICATE RI

Lab Name: Chemtech **Client:** CDM Smith

Lab Code: CHEM **Cas No:** Q1956 **SAS No :** Q1956 **SDG No:** Q1956

Matrix Spike - EPA Sample No : PB167975BS **Datafile:** FG015821.D

COMPOUND	SPIKE ADDED ug/kg	CONCENTRATION ug/kg	LCS/LCSD CONCENTRATION ug/kg	% REC	QC LIMITS
DRO	6662	0	6321	95	68-131

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4B
METHOD BLANK SUMMARY

EPA SAMPLE NO.
PB167913BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: FF015810.D Lab Sample ID: PB167913BL

Instrument ID: FF Date Extracted: 05/08/2025

Matrix: (soil/water) Water Date Analyzed: 05/08/25

Level: (low/med) low Time Analyzed: 12:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167913BS	PB167913BS	FF015811.D	05/08/25
PB167913BSD	PB167913BSD	FF015812.D	05/08/25
FB-05022025	Q1956-07	FF015813.D	05/08/25

COMMENTS:

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4B

METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167975BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab File ID: FG015820.D Lab Sample ID: PB167975BL

Instrument ID: FG Date Extracted: 05/13/2025

Matrix: (soil/water) Soil Date Analyzed: 05/13/25

Level: (low/med) low Time Analyzed: 13:22

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167975BS	PB167975BS	FG015821.D	05/13/25
SB1-3-4	Q1956-01	FG015826.D	05/13/25
SB2-4-5	Q1956-02	FG015827.D	05/13/25
SB2-4-5MS	Q1956-03MS	FG015828.D	05/13/25
SB2-4-5MSD	Q1956-04MSD	FG015829.D	05/13/25
SB91-3-4	Q1956-06	FG015830.D	05/13/25

COMMENTS:

QC SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167913BL	SDG No.:	Q1956
Lab Sample ID:	PB167913BL	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015810.D	1	05/08/25 08:41	05/08/25 12:31	PB167913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	50.0	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	14.8		29 - 130	74%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167975BL	SDG No.:	Q1956
Lab Sample ID:	PB167975BL	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015820.D	1	05/13/25 10:05	05/13/25 13:22	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	1670	U	169	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	17.4		37 - 130	87%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-FF015807.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-FF015807.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015807.D	1		05/08/25	FF050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	50.0	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	15.4		29 - 130	77%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-FF015814.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-FF015814.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015814.D	1		05/08/25	FF050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	50.0	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	15.7		29 - 130	78%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	Bergen Point Fueling System	Date Received:	05/13/25
Client Sample ID:	PIBLK-FG015817.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-FG015817.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015817.D	1		05/13/25	FG051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	50.0	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	19.2		29 - 130	96%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	Bergen Point Fueling System	Date Received:	05/13/25
Client Sample ID:	PIBLK-FG015824.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-FG015824.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015824.D	1		05/13/25	FG051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	50.0	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	16.9		29 - 130	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	Bergen Point Fueling System	Date Received:	05/13/25
Client Sample ID:	PIBLK-FG015834.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-FG015834.D	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015834.D	1		05/13/25	FG051325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	50.0	U	6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	19.2		29 - 130	96%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167913BS	SDG No.:	Q1956
Lab Sample ID:	PB167913BS	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015811.D	1	05/08/25 08:41	05/08/25 13:01	PB167913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	189		6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	18.4		29 - 130	92%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167975BS	SDG No.:	Q1956
Lab Sample ID:	PB167975BS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015821.D	1	05/13/25 10:05	05/13/25 13:51	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	6320		169	1670	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	18.6		37 - 130	93%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167913BSD	SDG No.:	Q1956
Lab Sample ID:	PB167913BSD	Matrix:	Water
Analytical Method:	8015D DRO	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3510		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FF015812.D	1	05/08/25 08:41	05/08/25 13:30	PB167913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
DRO	DRO	193		6.00	50.0	ug/L
SURROGATES						
16416-32-3	Tetracosane-d50	18.7		29 - 130	93%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015828.D	1	05/13/25 10:05	05/13/25 18:21	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	7670		181	1780	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.6		37 - 130	58%	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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	8015D DRO	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1 mL
Soil Aliquot Vol:	uL	Test:	Diesel Range Organics
Extraction Type:		Injection Volume :	
GPC Factor :	PH :		
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
FG015829.D	1	05/13/25 10:05	05/13/25 18:50	PB167975

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
DRO	DRO	7820		181	1780	ug/kg
SURROGATES						
16416-32-3	Tetracosane-d50	11.9		37 - 130	60%	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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DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Calibration Sequence : FF042225		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	116059922	116060	FF015786.D
500	58079559	116159	FF015787.D
200	21235975	106180	FF015788.D
100	11342548	113425	FF015789.D
50	7274526	145491	FF015790.D
AVG RF : 119463	**% RSD : 12.646**		**AVG RT : 15.02**

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DIESEL RANGE ORGANICS INITIAL CALIBRATION SUMMARY

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

Calibration Sequence : FG042425		Test : Diesel Range Organics	
Concentration (PPM)	**Area Count**	**Reference Factor**	**File ID**
1000	122641169	122641	FG015756.D
500	64139521	128279	FG015757.D
200	25210755	126054	FG015758.D
100	13317775	133178	FG015759.D
50	6223650	124473	FG015760.D

AVG RF : 126925 **% RSD : 3.202** **AVG RT : 15.0012**

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FF015808.D Analyst Name: YP\AJ Analyst Date: 05-08-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	59895976	119792	119463	0.275

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FF015815.D Analyst Name: YP\AJ Analyst Date: 05-08-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	58802434	117605	119463	1.555

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FG015818.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	60476877	120954	126925	4.704

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FG015825.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	62796625	125593	126925	1.049

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DIESEL RANGE ORGANICS CONTINUING CALIBRATION SUMMARY

50 PPM TRPH STD

Lab Name: Chemtech Contract: CAMP02

ProjectID: Bergen Point Fueling System

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG No.: Q1956

DataFile: FG015835.D Analyst Name: YP\AJ Analyst Date: 05-13-2025

Conc. (PPM)	Area Count	RF	Average RF	%D
500	63457844	126916	126925	0.007

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Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **Instrument ID:** FID_G

GC Column: RXI-1MS **ID:** 0.18 **(mm)**

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

MEAN SUROGATE RT FROM INITIAL CALIBRATION **15.02**

EPA SAMPLE NO.	LAB SAMPLE ID	DATE AND TIME ANALYZED	DATAFILE	RT	#
PIBLK01	I.BLK01	08 May 2025 09:20	FF015807.D	15.019	
50 PPM TRPH STD	50 PPM TRPH STD	08 May 2025 09:49	FF015808.D	15.021	
PB167913BL	PB167913BL	08 May 2025 12:31	FF015810.D	15.020	
PB167913BS	PB167913BS	08 May 2025 13:01	FF015811.D	15.018	
PB167913BSD	PB167913BSD	08 May 2025 13:30	FF015812.D	15.017	
FB-05022025	Q1956-07	08 May 2025 13:59	FF015813.D	15.020	
PIBLK02	I.BLK02	08 May 2025 14:28	FF015814.D	15.021	
50 PPM TRPH STD	50 PPM TRPH STD	08 May 2025 14:58	FF015815.D	15.021	
PIBLK03	I.BLK03	13 May 2025 11:11	FG015817.D	14.996	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 11:40	FG015818.D	14.998	
PB167975BL	PB167975BL	13 May 2025 13:22	FG015820.D	14.998	
PB167975BS	PB167975BS	13 May 2025 13:51	FG015821.D	14.995	
PIBLK04	I.BLK04	13 May 2025 15:54	FG015824.D	14.995	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 16:53	FG015825.D	14.998	
SB1-3-4	Q1956-01	13 May 2025 17:22	FG015826.D	14.994	
SB2-4-5	Q1956-02	13 May 2025 17:51	FG015827.D	14.994	
SB2-4-5MS	Q1956-03MS	13 May 2025 18:21	FG015828.D	14.994	
SB2-4-5MSD	Q1956-04MSD	13 May 2025 18:50	FG015829.D	14.993	
SB91-3-4	Q1956-06	13 May 2025 19:19	FG015830.D	14.994	
PIBLK05	I.BLK05	13 May 2025 21:16	FG015834.D	14.994	
50 PPM TRPH STD	50 PPM TRPH STD	13 May 2025 21:46	FG015835.D	14.996	

 # Column used to flag RT values with an * values outside of QC limits

QC Limits	Lower Limit	Upper Limits
(± 0.10 minutes)	14.9012	15.1012

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Mercury	7471B		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/06/25	05/07/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Mercury	7471B		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/06/25	05/07/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Mercury	7471B		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/06/25	05/07/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Mercury	7470A		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/05/25	05/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956 **Order ID:** Q1956

Client: CDM Smith **Project ID:** Bergen Point Fueling System

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB1-3-4								
Q1956-01	SB1-3-4	SOIL	Aluminum	906		0.80	4.78	mg/Kg
Q1956-01	SB1-3-4	SOIL	Arsenic	1.16		0.18	0.96	mg/Kg
Q1956-01	SB1-3-4	SOIL	Barium	3.26	J	0.70	4.78	mg/Kg
Q1956-01	SB1-3-4	SOIL	Beryllium	0.073	J	0.024	0.29	mg/Kg
Q1956-01	SB1-3-4	SOIL	Calcium	341		10.6	95.6	mg/Kg
Q1956-01	SB1-3-4	SOIL	Chromium	2.08		0.045	0.48	mg/Kg
Q1956-01	SB1-3-4	SOIL	Cobalt	0.62	J	0.096	1.43	mg/Kg
Q1956-01	SB1-3-4	SOIL	Copper	1.61		0.21	0.96	mg/Kg
Q1956-01	SB1-3-4	SOIL	Iron	1650		3.82	4.78	mg/Kg
Q1956-01	SB1-3-4	SOIL	Lead	2.91		0.12	0.57	mg/Kg
Q1956-01	SB1-3-4	SOIL	Magnesium	198		11.5	95.6	mg/Kg
Q1956-01	SB1-3-4	SOIL	Manganese	11.7		0.13	0.96	mg/Kg
Q1956-01	SB1-3-4	SOIL	Nickel	1.38	J	0.12	1.91	mg/Kg
Q1956-01	SB1-3-4	SOIL	Potassium	98.2		26.5	95.6	mg/Kg
Q1956-01	SB1-3-4	SOIL	Sodium	1620		17.0	95.6	mg/Kg
Q1956-01	SB1-3-4	SOIL	Vanadium	2.50		0.24	1.91	mg/Kg
Q1956-01	SB1-3-4	SOIL	Zinc	6.53		0.22	1.91	mg/Kg
Client ID : SB2-4-5								
Q1956-02	SB2-4-5	SOIL	Aluminum	834		0.83	4.93	mg/Kg
Q1956-02	SB2-4-5	SOIL	Arsenic	0.93	J	0.19	0.99	mg/Kg
Q1956-02	SB2-4-5	SOIL	Barium	1.99	J	0.72	4.93	mg/Kg
Q1956-02	SB2-4-5	SOIL	Beryllium	0.067	J	0.025	0.30	mg/Kg
Q1956-02	SB2-4-5	SOIL	Calcium	363		10.9	98.6	mg/Kg
Q1956-02	SB2-4-5	SOIL	Chromium	2.65		0.046	0.49	mg/Kg
Q1956-02	SB2-4-5	SOIL	Cobalt	0.52	J	0.099	1.48	mg/Kg
Q1956-02	SB2-4-5	SOIL	Copper	1.60		0.22	0.99	mg/Kg
Q1956-02	SB2-4-5	SOIL	Iron	1720		3.93	4.93	mg/Kg
Q1956-02	SB2-4-5	SOIL	Lead	1.49		0.13	0.59	mg/Kg
Q1956-02	SB2-4-5	SOIL	Magnesium	194		11.8	98.6	mg/Kg
Q1956-02	SB2-4-5	SOIL	Manganese	10.8		0.14	0.99	mg/Kg
Q1956-02	SB2-4-5	SOIL	Mercury	0.0080	J	0.0070	0.013	mg/Kg
Q1956-02	SB2-4-5	SOIL	Nickel	1.34	J	0.13	1.97	mg/Kg
Q1956-02	SB2-4-5	SOIL	Potassium	116		27.3	98.6	mg/Kg
Q1956-02	SB2-4-5	SOIL	Sodium	495		17.5	98.6	mg/Kg
Q1956-02	SB2-4-5	SOIL	Vanadium	2.21		0.25	1.97	mg/Kg
Q1956-02	SB2-4-5	SOIL	Zinc	3.27		0.23	1.97	mg/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1956 **Order ID:** Q1956

Client: CDM Smith **Project ID:** Bergen Point Fueling System

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB91-3-4								
Q1956-06	SB91-3-4	SOIL	Aluminum	644		0.88	5.23	mg/Kg
Q1956-06	SB91-3-4	SOIL	Arsenic	0.55	J	0.20	1.05	mg/Kg
Q1956-06	SB91-3-4	SOIL	Barium	1.89	J	0.76	5.23	mg/Kg
Q1956-06	SB91-3-4	SOIL	Beryllium	0.039	J	0.026	0.31	mg/Kg
Q1956-06	SB91-3-4	SOIL	Calcium	195		11.6	105	mg/Kg
Q1956-06	SB91-3-4	SOIL	Chromium	1.98		0.049	0.52	mg/Kg
Q1956-06	SB91-3-4	SOIL	Cobalt	0.44	J	0.11	1.57	mg/Kg
Q1956-06	SB91-3-4	SOIL	Copper	0.90	J	0.23	1.05	mg/Kg
Q1956-06	SB91-3-4	SOIL	Iron	1150		4.17	5.23	mg/Kg
Q1956-06	SB91-3-4	SOIL	Lead	1.69		0.14	0.63	mg/Kg
Q1956-06	SB91-3-4	SOIL	Magnesium	188		12.6	105	mg/Kg
Q1956-06	SB91-3-4	SOIL	Manganese	8.56		0.15	1.05	mg/Kg
Q1956-06	SB91-3-4	SOIL	Mercury	0.015		0.0080	0.014	mg/Kg
Q1956-06	SB91-3-4	SOIL	Nickel	0.99	J	0.14	2.09	mg/Kg
Q1956-06	SB91-3-4	SOIL	Potassium	120		29.0	105	mg/Kg
Q1956-06	SB91-3-4	SOIL	Sodium	1700		18.6	105	mg/Kg
Q1956-06	SB91-3-4	SOIL	Vanadium	1.86	J	0.26	2.09	mg/Kg
Q1956-06	SB91-3-4	SOIL	Zinc	3.27		0.24	2.09	mg/Kg
Client ID : FB-05022025								
Q1956-07	FB-05022025	Water	Aluminum	7.82	J	5.67	50.0	ug/L
Q1956-07	FB-05022025	Water	Iron	72.8		11.7	50.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	906		1	0.80	4.78	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-36-0	Antimony	2.39	UN	1	0.21	2.39	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-38-2	Arsenic	1.16		1	0.18	0.96	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-39-3	Barium	3.26	J	1	0.70	4.78	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-41-7	Beryllium	0.073	J	1	0.024	0.29	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-43-9	Cadmium	0.29	U	1	0.023	0.29	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-70-2	Calcium	341		1	10.6	95.6	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-47-3	Chromium	2.08		1	0.045	0.48	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-48-4	Cobalt	0.62	J	1	0.096	1.43	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-50-8	Copper	1.61		1	0.21	0.96	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7439-89-6	Iron	1650		1	3.82	4.78	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7439-92-1	Lead	2.91		1	0.12	0.57	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7439-95-4	Magnesium	198	N	1	11.5	95.6	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7439-96-5	Manganese	11.7		1	0.13	0.96	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7439-97-6	Mercury	0.014	U	1	0.0080	0.014	mg/Kg	05/05/25 14:54	05/05/25 15:34	SW7471B	
7440-02-0	Nickel	1.38	J	1	0.12	1.91	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-09-7	Potassium	98.2	*	1	26.5	95.6	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7782-49-2	Selenium	0.96	U	1	0.25	0.96	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-22-4	Silver	0.48	U	1	0.12	0.48	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-23-5	Sodium	1620	N*	1	17.0	95.6	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-28-0	Thallium	1.91	U	1	0.22	1.91	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-62-2	Vanadium	2.50		1	0.24	1.91	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050
7440-66-6	Zinc	6.53	*	1	0.22	1.91	mg/Kg	05/06/25 12:05	05/07/25 15:36	SW6010	SW3050

Color Before:	Gray	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
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

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	93.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	834		1	0.83	4.93	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-36-0	Antimony	2.46	UN	1	0.22	2.46	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-38-2	Arsenic	0.93	J	1	0.19	0.99	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-39-3	Barium	1.99	J	1	0.72	4.93	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-41-7	Beryllium	0.067	J	1	0.025	0.30	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-43-9	Cadmium	0.30	U	1	0.024	0.30	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-70-2	Calcium	363		1	10.9	98.6	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-47-3	Chromium	2.65		1	0.046	0.49	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-48-4	Cobalt	0.52	J	1	0.099	1.48	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-50-8	Copper	1.60		1	0.22	0.99	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7439-89-6	Iron	1720		1	3.93	4.93	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7439-92-1	Lead	1.49		1	0.13	0.59	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7439-95-4	Magnesium	194	N	1	11.8	98.6	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7439-96-5	Manganese	10.8		1	0.14	0.99	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7439-97-6	Mercury	0.0080	J	1	0.0070	0.013	mg/Kg	05/05/25 14:54	05/05/25 15:37	SW7471B	
7440-02-0	Nickel	1.34	J	1	0.13	1.97	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-09-7	Potassium	116	*	1	27.3	98.6	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7782-49-2	Selenium	0.99	U	1	0.26	0.99	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-22-4	Silver	0.49	U	1	0.12	0.49	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-23-5	Sodium	495	N*	1	17.5	98.6	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-28-0	Thallium	1.97	U	1	0.23	1.97	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-62-2	Vanadium	2.21		1	0.25	1.97	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050
7440-66-6	Zinc	3.27	*	1	0.23	1.97	mg/Kg	05/06/25 12:05	05/07/25 15:40	SW6010	SW3050

Color Before:	Gray	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
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
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E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	90.2

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	644		1	0.88	5.23	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-36-0	Antimony	2.61	UN	1	0.23	2.61	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-38-2	Arsenic	0.55	J	1	0.20	1.05	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-39-3	Barium	1.89	J	1	0.76	5.23	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-41-7	Beryllium	0.039	J	1	0.026	0.31	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-43-9	Cadmium	0.31	U	1	0.025	0.31	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-70-2	Calcium	195		1	11.6	105	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-47-3	Chromium	1.98		1	0.049	0.52	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-48-4	Cobalt	0.44	J	1	0.11	1.57	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-50-8	Copper	0.90	J	1	0.23	1.05	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7439-89-6	Iron	1150		1	4.17	5.23	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7439-92-1	Lead	1.69		1	0.14	0.63	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7439-95-4	Magnesium	188	N	1	12.6	105	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7439-96-5	Manganese	8.56		1	0.15	1.05	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7439-97-6	Mercury	0.015		1	0.0080	0.014	mg/Kg	05/05/25 14:54	05/05/25 15:53	SW7471B	
7440-02-0	Nickel	0.99	J	1	0.14	2.09	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-09-7	Potassium	120	*	1	29.0	105	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7782-49-2	Selenium	1.05	U	1	0.27	1.05	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-22-4	Silver	0.52	U	1	0.13	0.52	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-23-5	Sodium	1700	N*	1	18.6	105	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-28-0	Thallium	2.09	U	1	0.24	2.09	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-62-2	Vanadium	1.86	J	1	0.26	2.09	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050
7440-66-6	Zinc	3.27	*	1	0.24	2.09	mg/Kg	05/06/25 12:05	05/07/25 16:13	SW6010	SW3050

Color Before:	Gray	Clarity Before:		Texture:	Medium
Color After:	Yellow	Clarity After:		Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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J = Estimated Value
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OR = Over Range
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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7.82	J	1	5.67	50.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-36-0	Antimony	25.0	U	1	3.38	25.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-38-2	Arsenic	10.0	U	1	2.56	10.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-39-3	Barium	50.0	U	1	7.28	50.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-41-7	Beryllium	3.00	U	1	0.28	3.00	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-43-9	Cadmium	3.00	U	1	0.25	3.00	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-70-2	Calcium	1000	U	1	117	1000	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-47-3	Chromium	5.00	U	1	1.06	5.00	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-48-4	Cobalt	15.0	U	1	1.13	15.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-50-8	Copper	10.0	U	1	2.30	10.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7439-89-6	Iron	72.8		1	11.7	50.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7439-92-1	Lead	6.00	U	1	1.15	6.00	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7439-95-4	Magnesium	1000	U	1	122	1000	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7439-96-5	Manganese	10.0	U	1	2.97	10.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7439-97-6	Mercury	0.20	UN	1	0.076	0.20	ug/L	05/05/25 07:20	05/05/25 13:24	SW7470A	
7440-02-0	Nickel	20.0	U	1	1.53	20.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-09-7	Potassium	1000	U	1	459	1000	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7782-49-2	Selenium	10.0	U	1	4.82	10.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-22-4	Silver	5.00	U	1	0.81	5.00	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-23-5	Sodium	1000	U	1	434	1000	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-28-0	Thallium	20.0	U	1	2.19	20.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-62-2	Vanadium	20.0	U	1	3.13	20.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010
7440-66-6	Zinc	20.0	U	1	8.33	20.0	ug/L	05/05/25 11:05	05/05/25 21:55	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
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METAL CALIBRATION DATA

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

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
ICV114	Mercury	3.72	4.0	93	90 - 110	CV	05/05/2025	11:16	LB135662

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV71	Mercury	4.85	5.0	97	90 - 110	CV	05/05/2025	11:25	LB135662
CCV72	Mercury	5.11	5.0	102	90 - 110	CV	05/05/2025	11:58	LB135662
CCV73	Mercury	4.75	5.0	95	90 - 110	CV	05/05/2025	12:28	LB135662
CCV74	Mercury	4.54	5.0	91	90 - 110	CV	05/05/2025	13:03	LB135662
CCV75	Mercury	5.43	5.0	108	90 - 110	CV	05/05/2025	13:41	LB135662
CCV76	Mercury	5.40	5.0	108	90 - 110	CV	05/05/2025	13:52	LB135662

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
ICV116	Mercury	3.79	4.0	95	90 - 110	CV	05/05/2025	15:08	LB135670

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV79	Mercury	5.07	5.0	101	90 - 110	CV	05/05/2025	15:13	LB135670
CCV80	Mercury	5.29	5.0	106	90 - 110	CV	05/05/2025	15:46	LB135670
CCV81	Mercury	5.20	5.0	104	90 - 110	CV	05/05/2025	16:00	LB135670

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	2360	2500	94	90 - 110	P	05/05/2025	14:18	LB135674
	Antimony	1000	1000	100	90 - 110	P	05/05/2025	14:18	LB135674
	Arsenic	973	1000	97	90 - 110	P	05/05/2025	14:18	LB135674
	Barium	522	520	100	90 - 110	P	05/05/2025	14:18	LB135674
	Beryllium	483	510	95	90 - 110	P	05/05/2025	14:18	LB135674
	Cadmium	501	510	98	90 - 110	P	05/05/2025	14:18	LB135674
	Calcium	9510	10000	95	90 - 110	P	05/05/2025	14:18	LB135674
	Chromium	508	520	98	90 - 110	P	05/05/2025	14:18	LB135674
	Cobalt	489	520	94	90 - 110	P	05/05/2025	14:18	LB135674
	Copper	499	510	98	90 - 110	P	05/05/2025	14:18	LB135674
	Iron	9600	10000	96	90 - 110	P	05/05/2025	14:18	LB135674
	Lead	988	1000	99	90 - 110	P	05/05/2025	14:18	LB135674
	Magnesium	5640	6000	94	90 - 110	P	05/05/2025	14:18	LB135674
	Manganese	485	520	93	90 - 110	P	05/05/2025	14:18	LB135674
	Nickel	490	530	92	90 - 110	P	05/05/2025	14:18	LB135674
	Potassium	9270	9900	94	90 - 110	P	05/05/2025	14:18	LB135674
	Selenium	1020	1000	102	90 - 110	P	05/05/2025	14:18	LB135674
	Silver	228	250	91	90 - 110	P	05/05/2025	14:18	LB135674
	Sodium	9280	10000	93	90 - 110	P	05/05/2025	14:18	LB135674
	Thallium	1020	1000	102	90 - 110	P	05/05/2025	14:18	LB135674
	Vanadium	472	500	94	90 - 110	P	05/05/2025	14:18	LB135674
	Zinc	969	1000	97	90 - 110	P	05/05/2025	14:18	LB135674

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	100	100	100	80 - 120	P	05/05/2025	14:36	LB135674
	Antimony	53.4	50.0	107	80 - 120	P	05/05/2025	14:36	LB135674
	Arsenic	23.4	20.0	117	80 - 120	P	05/05/2025	14:36	LB135674
	Barium	95.2	100	95	80 - 120	P	05/05/2025	14:36	LB135674
	Beryllium	5.87	6.0	98	80 - 120	P	05/05/2025	14:36	LB135674
	Cadmium	5.83	6.0	97	80 - 120	P	05/05/2025	14:36	LB135674
	Calcium	2030	2000	102	80 - 120	P	05/05/2025	14:36	LB135674
	Chromium	10.2	10.0	102	80 - 120	P	05/05/2025	14:36	LB135674
	Cobalt	29.7	30.0	99	80 - 120	P	05/05/2025	14:36	LB135674
	Copper	22.4	20.0	112	80 - 120	P	05/05/2025	14:36	LB135674
	Iron	90.6	100	91	80 - 120	P	05/05/2025	14:36	LB135674
	Lead	10.9	12.0	91	80 - 120	P	05/05/2025	14:36	LB135674
	Magnesium	2150	2000	107	80 - 120	P	05/05/2025	14:36	LB135674
	Manganese	18.4	20.0	92	80 - 120	P	05/05/2025	14:36	LB135674
	Nickel	39.5	40.0	99	80 - 120	P	05/05/2025	14:36	LB135674
	Potassium	1920	2000	96	80 - 120	P	05/05/2025	14:36	LB135674
	Selenium	22.6	20.0	113	80 - 120	P	05/05/2025	14:36	LB135674
	Silver	10.2	10.0	102	80 - 120	P	05/05/2025	14:36	LB135674
	Sodium	1930	2000	97	80 - 120	P	05/05/2025	14:36	LB135674
	Thallium	41.0	40.0	103	80 - 120	P	05/05/2025	14:36	LB135674
	Vanadium	39.7	40.0	99	80 - 120	P	05/05/2025	14:36	LB135674
	Zinc	41.2	40.0	103	80 - 120	P	05/05/2025	14:36	LB135674

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV01	Aluminum	9770	10000	98	90 - 110	P	05/05/2025	15:20	LB135674
	Antimony	4950	5000	99	90 - 110	P	05/05/2025	15:20	LB135674
	Arsenic	4930	5000	99	90 - 110	P	05/05/2025	15:20	LB135674
	Barium	9850	10000	98	90 - 110	P	05/05/2025	15:20	LB135674
	Beryllium	243	250	97	90 - 110	P	05/05/2025	15:20	LB135674
	Cadmium	2450	2500	98	90 - 110	P	05/05/2025	15:20	LB135674
	Calcium	24400	25000	98	90 - 110	P	05/05/2025	15:20	LB135674
	Chromium	996	1000	100	90 - 110	P	05/05/2025	15:20	LB135674
	Cobalt	2450	2500	98	90 - 110	P	05/05/2025	15:20	LB135674
	Copper	1240	1250	99	90 - 110	P	05/05/2025	15:20	LB135674
	Iron	5100	5000	102	90 - 110	P	05/05/2025	15:20	LB135674
	Lead	4940	5000	99	90 - 110	P	05/05/2025	15:20	LB135674
	Magnesium	24200	25000	97	90 - 110	P	05/05/2025	15:20	LB135674
	Manganese	2430	2500	97	90 - 110	P	05/05/2025	15:20	LB135674
	Nickel	2450	2500	98	90 - 110	P	05/05/2025	15:20	LB135674
	Potassium	24900	25000	100	90 - 110	P	05/05/2025	15:20	LB135674
	Selenium	4960	5000	99	90 - 110	P	05/05/2025	15:20	LB135674
	Silver	1240	1250	99	90 - 110	P	05/05/2025	15:20	LB135674
	Sodium	25000	25000	100	90 - 110	P	05/05/2025	15:20	LB135674
	Thallium	4980	5000	100	90 - 110	P	05/05/2025	15:20	LB135674
	Vanadium	2440	2500	98	90 - 110	P	05/05/2025	15:20	LB135674
	Zinc	2480	2500	99	90 - 110	P	05/05/2025	15:20	LB135674
CCV02	Aluminum	9710	10000	97	90 - 110	P	05/05/2025	16:07	LB135674
	Antimony	4910	5000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Arsenic	4880	5000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Barium	9880	10000	99	90 - 110	P	05/05/2025	16:07	LB135674
	Beryllium	240	250	96	90 - 110	P	05/05/2025	16:07	LB135674
	Cadmium	2410	2500	96	90 - 110	P	05/05/2025	16:07	LB135674
	Calcium	24200	25000	97	90 - 110	P	05/05/2025	16:07	LB135674
	Chromium	974	1000	97	90 - 110	P	05/05/2025	16:07	LB135674
	Cobalt	2430	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
	Copper	1230	1250	98	90 - 110	P	05/05/2025	16:07	LB135674
	Iron	4990	5000	100	90 - 110	P	05/05/2025	16:07	LB135674
	Lead	4870	5000	97	90 - 110	P	05/05/2025	16:07	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV02	Magnesium	24000	25000	96	90 - 110	P	05/05/2025	16:07	LB135674
	Manganese	2430	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
	Nickel	2420	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
	Potassium	24300	25000	97	90 - 110	P	05/05/2025	16:07	LB135674
	Selenium	4920	5000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Silver	1210	1250	97	90 - 110	P	05/05/2025	16:07	LB135674
	Sodium	24400	25000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Thallium	4890	5000	98	90 - 110	P	05/05/2025	16:07	LB135674
	Vanadium	2430	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
	Zinc	2430	2500	97	90 - 110	P	05/05/2025	16:07	LB135674
CCV03	Aluminum	9670	10000	97	90 - 110	P	05/05/2025	16:56	LB135674
	Antimony	5080	5000	102	90 - 110	P	05/05/2025	16:56	LB135674
	Arsenic	5050	5000	101	90 - 110	P	05/05/2025	16:56	LB135674
	Barium	9910	10000	99	90 - 110	P	05/05/2025	16:56	LB135674
	Beryllium	240	250	96	90 - 110	P	05/05/2025	16:56	LB135674
	Cadmium	2410	2500	96	90 - 110	P	05/05/2025	16:56	LB135674
	Calcium	24100	25000	96	90 - 110	P	05/05/2025	16:56	LB135674
	Chromium	975	1000	98	90 - 110	P	05/05/2025	16:56	LB135674
	Cobalt	2430	2500	97	90 - 110	P	05/05/2025	16:56	LB135674
	Copper	1260	1250	100	90 - 110	P	05/05/2025	16:56	LB135674
	Iron	5080	5000	102	90 - 110	P	05/05/2025	16:56	LB135674
	Lead	4880	5000	98	90 - 110	P	05/05/2025	16:56	LB135674
	Magnesium	23800	25000	95	90 - 110	P	05/05/2025	16:56	LB135674
	Manganese	2420	2500	97	90 - 110	P	05/05/2025	16:56	LB135674
	Nickel	2420	2500	97	90 - 110	P	05/05/2025	16:56	LB135674
	Potassium	24800	25000	99	90 - 110	P	05/05/2025	16:56	LB135674
	Selenium	5160	5000	103	90 - 110	P	05/05/2025	16:56	LB135674
	Silver	1230	1250	98	90 - 110	P	05/05/2025	16:56	LB135674
	Sodium	24800	25000	99	90 - 110	P	05/05/2025	16:56	LB135674
	Thallium	4970	5000	99	90 - 110	P	05/05/2025	16:56	LB135674
	Vanadium	2420	2500	97	90 - 110	P	05/05/2025	16:56	LB135674
	Zinc	2460	2500	98	90 - 110	P	05/05/2025	16:56	LB135674
CCV04	Aluminum	9610	10000	96	90 - 110	P	05/05/2025	17:55	LB135674
	Antimony	4970	5000	99	90 - 110	P	05/05/2025	17:55	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV04	Arsenic	4930	5000	99	90 - 110	P	05/05/2025	17:55	LB135674
	Barium	9690	10000	97	90 - 110	P	05/05/2025	17:55	LB135674
	Beryllium	230	250	92	90 - 110	P	05/05/2025	17:55	LB135674
	Cadmium	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
	Calcium	23800	25000	95	90 - 110	P	05/05/2025	17:55	LB135674
	Chromium	977	1000	98	90 - 110	P	05/05/2025	17:55	LB135674
	Cobalt	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
	Copper	1220	1250	98	90 - 110	P	05/05/2025	17:55	LB135674
	Iron	4990	5000	100	90 - 110	P	05/05/2025	17:55	LB135674
	Lead	4870	5000	98	90 - 110	P	05/05/2025	17:55	LB135674
	Magnesium	23600	25000	95	90 - 110	P	05/05/2025	17:55	LB135674
	Manganese	2360	2500	94	90 - 110	P	05/05/2025	17:55	LB135674
	Nickel	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
	Potassium	24200	25000	97	90 - 110	P	05/05/2025	17:55	LB135674
	Selenium	4980	5000	100	90 - 110	P	05/05/2025	17:55	LB135674
	Silver	1200	1250	96	90 - 110	P	05/05/2025	17:55	LB135674
	Sodium	24400	25000	98	90 - 110	P	05/05/2025	17:55	LB135674
	Thallium	4860	5000	97	90 - 110	P	05/05/2025	17:55	LB135674
	Vanadium	2410	2500	96	90 - 110	P	05/05/2025	17:55	LB135674
	Zinc	2420	2500	97	90 - 110	P	05/05/2025	17:55	LB135674
CCV05	Aluminum	9590	10000	96	90 - 110	P	05/05/2025	18:43	LB135674
	Antimony	5050	5000	101	90 - 110	P	05/05/2025	18:43	LB135674
	Arsenic	4990	5000	100	90 - 110	P	05/05/2025	18:43	LB135674
	Barium	9570	10000	96	90 - 110	P	05/05/2025	18:43	LB135674
	Beryllium	235	250	94	90 - 110	P	05/05/2025	18:43	LB135674
	Cadmium	2420	2500	97	90 - 110	P	05/05/2025	18:43	LB135674
	Calcium	23500	25000	94	90 - 110	P	05/05/2025	18:43	LB135674
	Chromium	970	1000	97	90 - 110	P	05/05/2025	18:43	LB135674
	Cobalt	2410	2500	96	90 - 110	P	05/05/2025	18:43	LB135674
	Copper	1230	1250	99	90 - 110	P	05/05/2025	18:43	LB135674
	Iron	4980	5000	100	90 - 110	P	05/05/2025	18:43	LB135674
	Lead	4860	5000	97	90 - 110	P	05/05/2025	18:43	LB135674
	Magnesium	23300	25000	93	90 - 110	P	05/05/2025	18:43	LB135674
	Manganese	2340	2500	93	90 - 110	P	05/05/2025	18:43	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	Nickel	2430	2500	97	90 - 110	P	05/05/2025	18:43	LB135674
	Potassium	24500	25000	98	90 - 110	P	05/05/2025	18:43	LB135674
	Selenium	5070	5000	101	90 - 110	P	05/05/2025	18:43	LB135674
	Silver	1220	1250	98	90 - 110	P	05/05/2025	18:43	LB135674
	Sodium	24800	25000	99	90 - 110	P	05/05/2025	18:43	LB135674
	Thallium	4770	5000	95	90 - 110	P	05/05/2025	18:43	LB135674
	Vanadium	2390	2500	96	90 - 110	P	05/05/2025	18:43	LB135674
	Zinc	2470	2500	99	90 - 110	P	05/05/2025	18:43	LB135674
CCV06	Aluminum	9210	10000	92	90 - 110	P	05/05/2025	19:32	LB135674
	Antimony	4780	5000	96	90 - 110	P	05/05/2025	19:32	LB135674
	Arsenic	4750	5000	95	90 - 110	P	05/05/2025	19:32	LB135674
	Barium	9680	10000	97	90 - 110	P	05/05/2025	19:32	LB135674
	Beryllium	215	250	86	90 - 110	P	05/05/2025	19:32	LB135674
	Cadmium	2340	2500	94	90 - 110	P	05/05/2025	19:32	LB135674
	Calcium	22700	25000	91	90 - 110	P	05/05/2025	19:32	LB135674
	Chromium	940	1000	94	90 - 110	P	05/05/2025	19:32	LB135674
	Cobalt	2330	2500	93	90 - 110	P	05/05/2025	19:32	LB135674
	Copper	1180	1250	94	90 - 110	P	05/05/2025	19:32	LB135674
	Iron	5030	5000	101	90 - 110	P	05/05/2025	19:32	LB135674
	Lead	4680	5000	94	90 - 110	P	05/05/2025	19:32	LB135674
	Magnesium	22100	25000	88	90 - 110	P	05/05/2025	19:32	LB135674
	Manganese	2300	2500	92	90 - 110	P	05/05/2025	19:32	LB135674
	Nickel	2360	2500	94	90 - 110	P	05/05/2025	19:32	LB135674
	Potassium	25600	25000	102	90 - 110	P	05/05/2025	19:32	LB135674
	Selenium	4800	5000	96	90 - 110	P	05/05/2025	19:32	LB135674
	Silver	1190	1250	95	90 - 110	P	05/05/2025	19:32	LB135674
	Sodium	25500	25000	102	90 - 110	P	05/05/2025	19:32	LB135674
	Thallium	4620	5000	92	90 - 110	P	05/05/2025	19:32	LB135674
	Vanadium	2340	2500	94	90 - 110	P	05/05/2025	19:32	LB135674
	Zinc	2380	2500	95	90 - 110	P	05/05/2025	19:32	LB135674
CCV07	Aluminum	9210	10000	92	90 - 110	P	05/05/2025	20:19	LB135674
	Antimony	4700	5000	94	90 - 110	P	05/05/2025	20:19	LB135674
	Arsenic	4700	5000	94	90 - 110	P	05/05/2025	20:19	LB135674
	Barium	9380	10000	94	90 - 110	P	05/05/2025	20:19	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV07	Beryllium	231	250	92	90 - 110	P	05/05/2025	20:19	LB135674
	Cadmium	2350	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
	Calcium	23300	25000	93	90 - 110	P	05/05/2025	20:19	LB135674
	Chromium	955	1000	96	90 - 110	P	05/05/2025	20:19	LB135674
	Cobalt	2330	2500	93	90 - 110	P	05/05/2025	20:19	LB135674
	Copper	1170	1250	93	90 - 110	P	05/05/2025	20:19	LB135674
	Iron	4820	5000	96	90 - 110	P	05/05/2025	20:19	LB135674
	Lead	4710	5000	94	90 - 110	P	05/05/2025	20:19	LB135674
	Magnesium	23100	25000	92	90 - 110	P	05/05/2025	20:19	LB135674
	Manganese	2310	2500	92	90 - 110	P	05/05/2025	20:19	LB135674
	Nickel	2360	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
	Potassium	23800	25000	95	90 - 110	P	05/05/2025	20:19	LB135674
	Selenium	4700	5000	94	90 - 110	P	05/05/2025	20:19	LB135674
	Silver	1180	1250	95	90 - 110	P	05/05/2025	20:19	LB135674
	Sodium	23800	25000	95	90 - 110	P	05/05/2025	20:19	LB135674
	Thallium	4630	5000	92	90 - 110	P	05/05/2025	20:19	LB135674
	Vanadium	2340	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
	Zinc	2350	2500	94	90 - 110	P	05/05/2025	20:19	LB135674
CCV08	Aluminum	9250	10000	92	90 - 110	P	05/05/2025	21:07	LB135674
	Antimony	4760	5000	95	90 - 110	P	05/05/2025	21:07	LB135674
	Arsenic	4790	5000	96	90 - 110	P	05/05/2025	21:07	LB135674
	Barium	9390	10000	94	90 - 110	P	05/05/2025	21:07	LB135674
	Beryllium	232	250	93	90 - 110	P	05/05/2025	21:07	LB135674
	Cadmium	2380	2500	95	90 - 110	P	05/05/2025	21:07	LB135674
	Calcium	23300	25000	93	90 - 110	P	05/05/2025	21:07	LB135674
	Chromium	961	1000	96	90 - 110	P	05/05/2025	21:07	LB135674
	Cobalt	2360	2500	95	90 - 110	P	05/05/2025	21:07	LB135674
	Copper	1190	1250	95	90 - 110	P	05/05/2025	21:07	LB135674
	Iron	4870	5000	97	90 - 110	P	05/05/2025	21:07	LB135674
	Lead	4770	5000	95	90 - 110	P	05/05/2025	21:07	LB135674
	Magnesium	23300	25000	93	90 - 110	P	05/05/2025	21:07	LB135674
	Manganese	2310	2500	92	90 - 110	P	05/05/2025	21:07	LB135674
	Nickel	2380	2500	95	90 - 110	P	05/05/2025	21:07	LB135674
	Potassium	23400	25000	94	90 - 110	P	05/05/2025	21:07	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	4800	5000	96	90 - 110	P	05/05/2025	21:07	LB135674
	Silver	1180	1250	94	90 - 110	P	05/05/2025	21:07	LB135674
	Sodium	23700	25000	95	90 - 110	P	05/05/2025	21:07	LB135674
	Thallium	4670	5000	94	90 - 110	P	05/05/2025	21:07	LB135674
	Vanadium	2340	2500	94	90 - 110	P	05/05/2025	21:07	LB135674
	Zinc	2350	2500	94	90 - 110	P	05/05/2025	21:07	LB135674
CCV09	Aluminum	9270	10000	93	90 - 110	P	05/05/2025	21:59	LB135674
	Antimony	4680	5000	94	90 - 110	P	05/05/2025	21:59	LB135674
	Arsenic	4740	5000	95	90 - 110	P	05/05/2025	21:59	LB135674
	Barium	9390	10000	94	90 - 110	P	05/05/2025	21:59	LB135674
	Beryllium	242	250	97	90 - 110	P	05/05/2025	21:59	LB135674
	Cadmium	2410	2500	97	90 - 110	P	05/05/2025	21:59	LB135674
	Calcium	23600	25000	94	90 - 110	P	05/05/2025	21:59	LB135674
	Chromium	959	1000	96	90 - 110	P	05/05/2025	21:59	LB135674
	Cobalt	2380	2500	95	90 - 110	P	05/05/2025	21:59	LB135674
	Copper	1180	1250	95	90 - 110	P	05/05/2025	21:59	LB135674
	Iron	4770	5000	95	90 - 110	P	05/05/2025	21:59	LB135674
	Lead	4810	5000	96	90 - 110	P	05/05/2025	21:59	LB135674
	Magnesium	23700	25000	95	90 - 110	P	05/05/2025	21:59	LB135674
	Manganese	2370	2500	95	90 - 110	P	05/05/2025	21:59	LB135674
	Nickel	2410	2500	96	90 - 110	P	05/05/2025	21:59	LB135674
	Potassium	23200	25000	93	90 - 110	P	05/05/2025	21:59	LB135674
	Selenium	4740	5000	95	90 - 110	P	05/05/2025	21:59	LB135674
	Silver	1190	1250	95	90 - 110	P	05/05/2025	21:59	LB135674
	Sodium	23000	25000	92	90 - 110	P	05/05/2025	21:59	LB135674
	Thallium	4640	5000	93	90 - 110	P	05/05/2025	21:59	LB135674
	Vanadium	2360	2500	94	90 - 110	P	05/05/2025	21:59	LB135674
	Zinc	2320	2500	93	90 - 110	P	05/05/2025	21:59	LB135674
CCV10	Aluminum	9230	10000	92	90 - 110	P	05/05/2025	22:33	LB135674
	Antimony	4720	5000	94	90 - 110	P	05/05/2025	22:33	LB135674
	Arsenic	4740	5000	95	90 - 110	P	05/05/2025	22:33	LB135674
	Barium	9090	10000	91	90 - 110	P	05/05/2025	22:33	LB135674
	Beryllium	239	250	96	90 - 110	P	05/05/2025	22:33	LB135674
	Cadmium	2380	2500	95	90 - 110	P	05/05/2025	22:33	LB135674

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV10	Calcium	23300	25000	93	90 - 110	P	05/05/2025	22:33	LB135674
	Chromium	967	1000	97	90 - 110	P	05/05/2025	22:33	LB135674
	Cobalt	2360	2500	94	90 - 110	P	05/05/2025	22:33	LB135674
	Copper	1180	1250	95	90 - 110	P	05/05/2025	22:33	LB135674
	Iron	4620	5000	92	90 - 110	P	05/05/2025	22:33	LB135674
	Lead	4750	5000	95	90 - 110	P	05/05/2025	22:33	LB135674
	Magnesium	23600	25000	94	90 - 110	P	05/05/2025	22:33	LB135674
	Manganese	2300	2500	92	90 - 110	P	05/05/2025	22:33	LB135674
	Nickel	2370	2500	95	90 - 110	P	05/05/2025	22:33	LB135674
	Potassium	22800	25000	91	90 - 110	P	05/05/2025	22:33	LB135674
	Selenium	4730	5000	95	90 - 110	P	05/05/2025	22:33	LB135674
	Silver	1180	1250	94	90 - 110	P	05/05/2025	22:33	LB135674
	Sodium	23300	25000	93	90 - 110	P	05/05/2025	22:33	LB135674
	Thallium	4550	5000	91	90 - 110	P	05/05/2025	22:33	LB135674
	Vanadium	2330	2500	93	90 - 110	P	05/05/2025	22:33	LB135674
	Zinc	2330	2500	93	90 - 110	P	05/05/2025	22:33	LB135674

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	2310	2500	92	90 - 110	P	05/07/2025	12:59	LB135699
	Antimony	965	1000	96	90 - 110	P	05/07/2025	12:59	LB135699
	Arsenic	968	1000	97	90 - 110	P	05/07/2025	12:59	LB135699
	Barium	534	520	103	90 - 110	P	05/07/2025	12:59	LB135699
	Beryllium	515	510	101	90 - 110	P	05/07/2025	12:59	LB135699
	Cadmium	501	510	98	90 - 110	P	05/07/2025	12:59	LB135699
	Calcium	9400	10000	94	90 - 110	P	05/07/2025	12:59	LB135699
	Chromium	503	520	97	90 - 110	P	05/07/2025	12:59	LB135699
	Cobalt	488	520	94	90 - 110	P	05/07/2025	12:59	LB135699
	Copper	495	510	97	90 - 110	P	05/07/2025	12:59	LB135699
	Iron	11000	10000	110	90 - 110	P	05/07/2025	12:59	LB135699
	Lead	980	1000	98	90 - 110	P	05/07/2025	12:59	LB135699
	Magnesium	5440	6000	91	90 - 110	P	05/07/2025	12:59	LB135699
	Manganese	488	520	94	90 - 110	P	05/07/2025	12:59	LB135699
	Nickel	492	530	93	90 - 110	P	05/07/2025	12:59	LB135699
	Potassium	10600	9900	107	90 - 110	P	05/07/2025	12:59	LB135699
	Selenium	996	1000	100	90 - 110	P	05/07/2025	12:59	LB135699
	Silver	231	250	93	90 - 110	P	05/07/2025	12:59	LB135699
	Sodium	10100	10000	101	90 - 110	P	05/07/2025	12:59	LB135699
	Thallium	1020	1000	102	90 - 110	P	05/07/2025	12:59	LB135699
	Vanadium	466	500	93	90 - 110	P	05/07/2025	12:59	LB135699
	Zinc	970	1000	97	90 - 110	P	05/07/2025	12:59	LB135699

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	101	100	101	80 - 120	P	05/07/2025	13:05	LB135699
	Antimony	50.9	50.0	102	80 - 120	P	05/07/2025	13:05	LB135699
	Arsenic	19.8	20.0	99	80 - 120	P	05/07/2025	13:05	LB135699
	Barium	86.9	100	87	80 - 120	P	05/07/2025	13:05	LB135699
	Beryllium	5.69	6.0	95	80 - 120	P	05/07/2025	13:05	LB135699
	Cadmium	6.10	6.0	102	80 - 120	P	05/07/2025	13:05	LB135699
	Calcium	1950	2000	97	80 - 120	P	05/07/2025	13:05	LB135699
	Chromium	9.59	10.0	96	80 - 120	P	05/07/2025	13:05	LB135699
	Cobalt	28.7	30.0	96	80 - 120	P	05/07/2025	13:05	LB135699
	Copper	21.5	20.0	108	80 - 120	P	05/07/2025	13:05	LB135699
	Iron	97.0	100	97	80 - 120	P	05/07/2025	13:05	LB135699
	Lead	12.8	12.0	106	80 - 120	P	05/07/2025	13:05	LB135699
	Magnesium	2040	2000	102	80 - 120	P	05/07/2025	13:05	LB135699
	Manganese	22.5	20.0	113	80 - 120	P	05/07/2025	13:05	LB135699
	Nickel	38.9	40.0	97	80 - 120	P	05/07/2025	13:05	LB135699
	Potassium	1880	2000	94	80 - 120	P	05/07/2025	13:05	LB135699
	Selenium	18.3	20.0	91	80 - 120	P	05/07/2025	13:05	LB135699
	Silver	10.3	10.0	103	80 - 120	P	05/07/2025	13:05	LB135699
	Sodium	1790	2000	89	80 - 120	P	05/07/2025	13:05	LB135699
	Thallium	43.2	40.0	108	80 - 120	P	05/07/2025	13:05	LB135699
	Vanadium	40.8	40.0	102	80 - 120	P	05/07/2025	13:05	LB135699
	Zinc	41.0	40.0	102	80 - 120	P	05/07/2025	13:05	LB135699

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV01	Aluminum	10100	10000	101	90 - 110	P	05/07/2025	13:39	LB135699
	Antimony	5020	5000	100	90 - 110	P	05/07/2025	13:39	LB135699
	Arsenic	5080	5000	102	90 - 110	P	05/07/2025	13:39	LB135699
	Barium	9770	10000	98	90 - 110	P	05/07/2025	13:39	LB135699
	Beryllium	267	250	107	90 - 110	P	05/07/2025	13:39	LB135699
	Cadmium	2570	2500	103	90 - 110	P	05/07/2025	13:39	LB135699
	Calcium	25600	25000	102	90 - 110	P	05/07/2025	13:39	LB135699
	Chromium	1050	1000	104	90 - 110	P	05/07/2025	13:39	LB135699
	Cobalt	2550	2500	102	90 - 110	P	05/07/2025	13:39	LB135699
	Copper	1280	1250	102	90 - 110	P	05/07/2025	13:39	LB135699
	Iron	4960	5000	99	90 - 110	P	05/07/2025	13:39	LB135699
	Lead	5150	5000	103	90 - 110	P	05/07/2025	13:39	LB135699
	Magnesium	25600	25000	102	90 - 110	P	05/07/2025	13:39	LB135699
	Manganese	2520	2500	101	90 - 110	P	05/07/2025	13:39	LB135699
	Nickel	2570	2500	103	90 - 110	P	05/07/2025	13:39	LB135699
	Potassium	24200	25000	97	90 - 110	P	05/07/2025	13:39	LB135699
	Selenium	5050	5000	101	90 - 110	P	05/07/2025	13:39	LB135699
	Silver	1280	1250	102	90 - 110	P	05/07/2025	13:39	LB135699
	Sodium	23900	25000	96	90 - 110	P	05/07/2025	13:39	LB135699
	Thallium	5090	5000	102	90 - 110	P	05/07/2025	13:39	LB135699
	Vanadium	2530	2500	101	90 - 110	P	05/07/2025	13:39	LB135699
	Zinc	2540	2500	102	90 - 110	P	05/07/2025	13:39	LB135699
CCV02	Aluminum	10100	10000	102	90 - 110	P	05/07/2025	14:35	LB135699
	Antimony	5040	5000	101	90 - 110	P	05/07/2025	14:35	LB135699
	Arsenic	5050	5000	101	90 - 110	P	05/07/2025	14:35	LB135699
	Barium	10000	10000	100	90 - 110	P	05/07/2025	14:35	LB135699
	Beryllium	260	250	104	90 - 110	P	05/07/2025	14:35	LB135699
	Cadmium	2490	2500	100	90 - 110	P	05/07/2025	14:35	LB135699
	Calcium	24900	25000	100	90 - 110	P	05/07/2025	14:35	LB135699
	Chromium	1020	1000	102	90 - 110	P	05/07/2025	14:35	LB135699
	Cobalt	2490	2500	100	90 - 110	P	05/07/2025	14:35	LB135699
	Copper	1270	1250	101	90 - 110	P	05/07/2025	14:35	LB135699
	Iron	4870	5000	97	90 - 110	P	05/07/2025	14:35	LB135699
	Lead	5030	5000	101	90 - 110	P	05/07/2025	14:35	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV02	Magnesium	24800	25000	99	90 - 110	P	05/07/2025	14:35	LB135699
	Manganese	2470	2500	99	90 - 110	P	05/07/2025	14:35	LB135699
	Nickel	2500	2500	100	90 - 110	P	05/07/2025	14:35	LB135699
	Potassium	24200	25000	97	90 - 110	P	05/07/2025	14:35	LB135699
	Selenium	5040	5000	101	90 - 110	P	05/07/2025	14:35	LB135699
	Silver	1270	1250	101	90 - 110	P	05/07/2025	14:35	LB135699
	Sodium	24100	25000	96	90 - 110	P	05/07/2025	14:35	LB135699
	Thallium	5120	5000	102	90 - 110	P	05/07/2025	14:35	LB135699
	Vanadium	2490	2500	100	90 - 110	P	05/07/2025	14:35	LB135699
	Zinc	2540	2500	102	90 - 110	P	05/07/2025	14:35	LB135699
CCV03	Aluminum	9790	10000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Antimony	4870	5000	97	90 - 110	P	05/07/2025	15:23	LB135699
	Arsenic	4880	5000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Barium	9500	10000	95	90 - 110	P	05/07/2025	15:23	LB135699
	Beryllium	256	250	102	90 - 110	P	05/07/2025	15:23	LB135699
	Cadmium	2420	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Calcium	24500	25000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Chromium	993	1000	99	90 - 110	P	05/07/2025	15:23	LB135699
	Cobalt	2420	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Copper	1220	1250	98	90 - 110	P	05/07/2025	15:23	LB135699
	Iron	4820	5000	96	90 - 110	P	05/07/2025	15:23	LB135699
	Lead	4870	5000	97	90 - 110	P	05/07/2025	15:23	LB135699
	Magnesium	24500	25000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Manganese	2430	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Nickel	2430	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Potassium	23400	25000	94	90 - 110	P	05/07/2025	15:23	LB135699
	Selenium	4900	5000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Silver	1230	1250	98	90 - 110	P	05/07/2025	15:23	LB135699
	Sodium	23100	25000	92	90 - 110	P	05/07/2025	15:23	LB135699
	Thallium	5080	5000	102	90 - 110	P	05/07/2025	15:23	LB135699
	Vanadium	2430	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Zinc	2450	2500	98	90 - 110	P	05/07/2025	15:23	LB135699
CCV04	Aluminum	9600	10000	96	90 - 110	P	05/07/2025	16:05	LB135699
	Antimony	4860	5000	97	90 - 110	P	05/07/2025	16:05	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV04	Arsenic	4850	5000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Barium	9490	10000	95	90 - 110	P	05/07/2025	16:05	LB135699
	Beryllium	236	250	94	90 - 110	P	05/07/2025	16:05	LB135699
	Cadmium	2400	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
	Calcium	24100	25000	96	90 - 110	P	05/07/2025	16:05	LB135699
	Chromium	968	1000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Cobalt	2400	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
	Copper	1220	1250	97	90 - 110	P	05/07/2025	16:05	LB135699
	Iron	4800	5000	96	90 - 110	P	05/07/2025	16:05	LB135699
	Lead	4840	5000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Magnesium	23700	25000	95	90 - 110	P	05/07/2025	16:05	LB135699
	Manganese	2380	2500	95	90 - 110	P	05/07/2025	16:05	LB135699
	Nickel	2410	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
	Potassium	23300	25000	93	90 - 110	P	05/07/2025	16:05	LB135699
	Selenium	4860	5000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Silver	1180	1250	95	90 - 110	P	05/07/2025	16:05	LB135699
	Sodium	23000	25000	92	90 - 110	P	05/07/2025	16:05	LB135699
	Thallium	5120	5000	102	90 - 110	P	05/07/2025	16:05	LB135699
	Vanadium	2410	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
	Zinc	2390	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
CCV05	Aluminum	9820	10000	98	90 - 110	P	05/07/2025	16:47	LB135699
	Antimony	5170	5000	103	90 - 110	P	05/07/2025	16:47	LB135699
	Arsenic	5140	5000	103	90 - 110	P	05/07/2025	16:47	LB135699
	Barium	9560	10000	96	90 - 110	P	05/07/2025	16:47	LB135699
	Beryllium	233	250	93	90 - 110	P	05/07/2025	16:47	LB135699
	Cadmium	2360	2500	95	90 - 110	P	05/07/2025	16:47	LB135699
	Calcium	23500	25000	94	90 - 110	P	05/07/2025	16:47	LB135699
	Chromium	965	1000	96	90 - 110	P	05/07/2025	16:47	LB135699
	Cobalt	2390	2500	95	90 - 110	P	05/07/2025	16:47	LB135699
	Copper	1280	1250	102	90 - 110	P	05/07/2025	16:47	LB135699
	Iron	4960	5000	99	90 - 110	P	05/07/2025	16:47	LB135699
	Lead	4800	5000	96	90 - 110	P	05/07/2025	16:47	LB135699
	Magnesium	22800	25000	91	90 - 110	P	05/07/2025	16:47	LB135699
	Manganese	2330	2500	93	90 - 110	P	05/07/2025	16:47	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	Nickel	2410	2500	96	90 - 110	P	05/07/2025	16:47	LB135699
	Potassium	25000	25000	100	90 - 110	P	05/07/2025	16:47	LB135699
	Selenium	5200	5000	104	90 - 110	P	05/07/2025	16:47	LB135699
	Silver	1220	1250	98	90 - 110	P	05/07/2025	16:47	LB135699
	Sodium	24900	25000	100	90 - 110	P	05/07/2025	16:47	LB135699
	Thallium	5060	5000	101	90 - 110	P	05/07/2025	16:47	LB135699
	Vanadium	2400	2500	96	90 - 110	P	05/07/2025	16:47	LB135699
	Zinc	2480	2500	99	90 - 110	P	05/07/2025	16:47	LB135699

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Metals

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CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	0.19	0.2	97	40 - 160	CV	05/05/2025	11:33	LB135662
CRI01	Aluminum	99.6	100	100	40 - 160	P	05/05/2025	14:47	LB135674
	Antimony	52.8	50.0	106	40 - 160	P	05/05/2025	14:47	LB135674
	Arsenic	20.6	20.0	103	40 - 160	P	05/05/2025	14:47	LB135674
	Barium	92.2	100	92	40 - 160	P	05/05/2025	14:47	LB135674
	Beryllium	5.85	6.0	98	40 - 160	P	05/05/2025	14:47	LB135674
	Cadmium	5.79	6.0	96	40 - 160	P	05/05/2025	14:47	LB135674
	Calcium	2000	2000	100	40 - 160	P	05/05/2025	14:47	LB135674
	Chromium	10.3	10.0	103	40 - 160	P	05/05/2025	14:47	LB135674
	Cobalt	29.6	30.0	99	40 - 160	P	05/05/2025	14:47	LB135674
	Copper	22.4	20.0	112	40 - 160	P	05/05/2025	14:47	LB135674
	Iron	93.9	100	94	40 - 160	P	05/05/2025	14:47	LB135674
	Lead	11.2	12.0	93	40 - 160	P	05/05/2025	14:47	LB135674
	Magnesium	2100	2000	105	40 - 160	P	05/05/2025	14:47	LB135674
	Manganese	18.0	20.0	90	40 - 160	P	05/05/2025	14:47	LB135674
	Nickel	39.9	40.0	100	40 - 160	P	05/05/2025	14:47	LB135674
	Potassium	2020	2000	101	40 - 160	P	05/05/2025	14:47	LB135674
	Selenium	22.8	20.0	114	40 - 160	P	05/05/2025	14:47	LB135674
	Silver	10.3	10.0	103	40 - 160	P	05/05/2025	14:47	LB135674
	Sodium	2000	2000	100	40 - 160	P	05/05/2025	14:47	LB135674
	Thallium	42.8	40.0	107	40 - 160	P	05/05/2025	14:47	LB135674
	Vanadium	41.7	40.0	104	40 - 160	P	05/05/2025	14:47	LB135674
	Zinc	42.7	40.0	107	40 - 160	P	05/05/2025	14:47	LB135674
CRA	Mercury	0.19	0.2	97	40 - 160	CV	05/05/2025	15:18	LB135670
CRI01	Aluminum	95.9	100	96	40 - 160	P	05/07/2025	13:16	LB135699
	Antimony	51.7	50.0	103	40 - 160	P	05/07/2025	13:16	LB135699
	Arsenic	19.7	20.0	98	40 - 160	P	05/07/2025	13:16	LB135699
	Barium	88.3	100	88	40 - 160	P	05/07/2025	13:16	LB135699
	Beryllium	5.55	6.0	92	40 - 160	P	05/07/2025	13:16	LB135699
	Cadmium	6.09	6.0	102	40 - 160	P	05/07/2025	13:16	LB135699
	Calcium	1950	2000	98	40 - 160	P	05/07/2025	13:16	LB135699
	Chromium	9.49	10.0	95	40 - 160	P	05/07/2025	13:16	LB135699
	Cobalt	29.1	30.0	97	40 - 160	P	05/07/2025	13:16	LB135699
	Copper	21.5	20.0	108	40 - 160	P	05/07/2025	13:16	LB135699
	Iron	96.4	100	96	40 - 160	P	05/07/2025	13:16	LB135699

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Metals

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CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CRI01	Lead	13.4	12.0	112	40 - 160	P	05/07/2025	13:16	LB135699
	Magnesium	2010	2000	100	40 - 160	P	05/07/2025	13:16	LB135699
	Manganese	22.3	20.0	112	40 - 160	P	05/07/2025	13:16	LB135699
	Nickel	39.2	40.0	98	40 - 160	P	05/07/2025	13:16	LB135699
	Potassium	1850	2000	93	40 - 160	P	05/07/2025	13:16	LB135699
	Selenium	16.5	20.0	82	40 - 160	P	05/07/2025	13:16	LB135699
	Silver	10.2	10.0	102	40 - 160	P	05/07/2025	13:16	LB135699
	Sodium	1790	2000	90	40 - 160	P	05/07/2025	13:16	LB135699
	Thallium	43.0	40.0	108	40 - 160	P	05/07/2025	13:16	LB135699
	Vanadium	40.2	40.0	101	40 - 160	P	05/07/2025	13:16	LB135699
	Zinc	40.3	40.0	101	40 - 160	P	05/07/2025	13:16	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB114	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	11:18	LB135662

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB71	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	11:30	LB135662
CCB72	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	12:03	LB135662
CCB73	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	12:38	LB135662
CCB74	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	13:06	LB135662
CCB75	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	13:43	LB135662
CCB76	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	13:55	LB135662

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB116	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	15:11	LB135670

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB79	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	15:15	LB135670
CCB80	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	15:48	LB135670
CCB81	Mercury	0.20	+/-0.20	U	0.20	CV	05/05/2025	16:02	LB135670

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	05/05/2025	14:41	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	14:41	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	14:41	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	14:41	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	14:41	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	14:41	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	14:41	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	14:41	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	14:41	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	14:41	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	14:41	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	14:41	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	14:41	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	14:41	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	14:41	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	14:41	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	14:41	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	14:41	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	14:41	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	05/05/2025	15:26	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	15:26	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	15:26	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	15:26	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	15:26	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	15:26	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	15:26	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	15:26	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	15:26	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	15:26	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	15:26	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	15:26	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	15:26	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	15:26	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	15:26	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	15:26	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	15:26	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	15:26	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	15:26	LB135674
CCB02	Aluminum	100	+/-100	U	100	P	05/05/2025	16:12	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	16:12	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	16:12	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	16:12	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	16:12	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	16:12	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	16:12	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	16:12	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	16:12	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	16:12	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	16:12	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	16:12	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	16:12	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	16:12	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	16:12	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	16:12	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	16:12	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	16:12	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	16:12	LB135674
CCB03	Aluminum	100	+/-100	U	100	P	05/05/2025	17:00	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	17:00	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	17:00	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	17:00	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	17:00	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	17:00	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	17:00	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	17:00	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	17:00	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	17:00	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	17:00	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	17:00	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	17:00	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	17:00	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	17:00	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	17:00	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	17:00	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	17:00	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	17:00	LB135674
CCB04	Aluminum	100	+/-100	U	100	P	05/05/2025	17:59	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	17:59	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	17:59	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	17:59	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	17:59	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	17:59	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	17:59	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	17:59	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	17:59	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	17:59	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	17:59	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	17:59	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	17:59	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	17:59	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	17:59	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	17:59	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	17:59	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	17:59	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	17:59	LB135674
CCB05	Aluminum	100	+/-100	U	100	P	05/05/2025	18:47	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	18:47	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	18:47	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	18:47	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	18:47	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	18:47	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	18:47	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	18:47	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	18:47	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	18:47	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	18:47	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	18:47	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	18:47	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	18:47	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	18:47	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	18:47	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	18:47	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	18:47	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	18:47	LB135674
CCB06	Aluminum	100	+/-100	U	100	P	05/05/2025	19:37	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	19:37	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	19:37	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	19:37	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	19:37	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	19:37	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	19:37	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	19:37	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	19:37	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	19:37	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	19:37	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	19:37	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	19:37	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	19:37	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	19:37	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	19:37	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	19:37	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	19:37	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	19:37	LB135674
CCB07	Aluminum	100	+/-100	U	100	P	05/05/2025	20:23	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	20:23	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	20:23	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	20:23	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	20:23	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	20:23	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	20:23	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	20:23	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	20:23	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	20:23	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	20:23	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	20:23	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	20:23	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	20:23	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	20:23	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	20:23	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	20:23	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	20:23	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	20:23	LB135674
CCB08	Aluminum	100	+/-100	U	100	P	05/05/2025	21:12	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	21:12	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	21:12	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	21:12	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	21:12	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	21:12	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	21:12	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	21:12	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	21:12	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	21:12	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	21:12	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	21:12	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	21:12	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	21:12	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	21:12	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	21:12	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	21:12	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	21:12	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	21:12	LB135674
CCB09	Aluminum	100	+/-100	U	100	P	05/05/2025	22:03	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	22:03	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	22:03	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	22:03	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	22:03	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	22:03	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	22:03	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	22:03	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	22:03	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	22:03	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	22:03	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	22:03	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	22:03	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	22:03	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	22:03	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	22:03	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	22:03	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	22:03	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB09	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	22:03	LB135674
CCB10	Aluminum	100	+/-100	U	100	P	05/05/2025	22:37	LB135674
	Antimony	50.0	+/-50.0	U	50.0	P	05/05/2025	22:37	LB135674
	Arsenic	20.0	+/-20.0	U	20.0	P	05/05/2025	22:37	LB135674
	Barium	100	+/-100	U	100	P	05/05/2025	22:37	LB135674
	Beryllium	6.00	+/-6.00	U	6.00	P	05/05/2025	22:37	LB135674
	Cadmium	6.00	+/-6.00	U	6.00	P	05/05/2025	22:37	LB135674
	Calcium	2000	+/-2000	U	2000	P	05/05/2025	22:37	LB135674
	Chromium	10.0	+/-10.0	U	10.0	P	05/05/2025	22:37	LB135674
	Cobalt	30.0	+/-30.0	U	30.0	P	05/05/2025	22:37	LB135674
	Copper	20.0	+/-20.0	U	20.0	P	05/05/2025	22:37	LB135674
	Iron	100	+/-100	U	100	P	05/05/2025	22:37	LB135674
	Lead	12.0	+/-12.0	U	12.0	P	05/05/2025	22:37	LB135674
	Magnesium	2000	+/-2000	U	2000	P	05/05/2025	22:37	LB135674
	Manganese	20.0	+/-20.0	U	20.0	P	05/05/2025	22:37	LB135674
	Nickel	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674
	Potassium	2000	+/-2000	U	2000	P	05/05/2025	22:37	LB135674
	Selenium	20.0	+/-20.0	U	20.0	P	05/05/2025	22:37	LB135674
	Silver	10.0	+/-10.0	U	10.0	P	05/05/2025	22:37	LB135674
	Sodium	2000	+/-2000	U	2000	P	05/05/2025	22:37	LB135674
	Thallium	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674
	Vanadium	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674
	Zinc	40.0	+/-40.0	U	40.0	P	05/05/2025	22:37	LB135674

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	05/07/2025	13:09	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	13:09	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	13:09	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:09	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:09	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	13:09	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	13:09	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	13:09	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	13:09	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	13:09	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	13:09	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	13:09	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	13:09	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	13:09	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	13:09	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	13:09	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	13:09	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	13:09	LB135699

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	05/07/2025	13:43	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	13:43	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	13:43	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:43	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:43	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	13:43	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	13:43	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	13:43	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	13:43	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	13:43	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	13:43	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	13:43	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	13:43	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	13:43	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	13:43	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	13:43	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	13:43	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	13:43	LB135699
CCB02	Aluminum	100	+/-100	U	100	P	05/07/2025	14:39	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	14:39	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	14:39	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	14:39	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	14:39	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	14:39	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	14:39	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	14:39	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	14:39	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	14:39	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	14:39	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	14:39	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	14:39	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	14:39	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	14:39	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	14:39	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	14:39	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	14:39	LB135699
CCB03	Aluminum	100	+/-100	U	100	P	05/07/2025	15:27	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	15:27	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	15:27	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	15:27	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	15:27	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	15:27	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	15:27	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	15:27	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	15:27	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	15:27	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	15:27	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	15:27	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	15:27	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	15:27	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	15:27	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	15:27	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	15:27	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	15:27	LB135699
CCB04	Aluminum	100	+/-100	U	100	P	05/07/2025	16:09	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	16:09	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	16:09	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:09	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:09	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	16:09	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	16:09	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	16:09	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	16:09	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	16:09	LB135699

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	16:09	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	16:09	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	16:09	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	16:09	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	16:09	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	16:09	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	16:09	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	16:09	LB135699
CCB05	Aluminum	100	+/-100	U	100	P	05/07/2025	16:52	LB135699
	Antimony	50.0	+/-50.0	U	50.0	P	05/07/2025	16:52	LB135699
	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	16:52	LB135699
	Beryllium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:52	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:52	LB135699
	Calcium	2000	+/-2000	U	2000	P	05/07/2025	16:52	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	16:52	LB135699
	Cobalt	30.0	+/-30.0	U	30.0	P	05/07/2025	16:52	LB135699
	Copper	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Iron	100	+/-100	U	100	P	05/07/2025	16:52	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	16:52	LB135699
	Magnesium	2000	+/-2000	U	2000	P	05/07/2025	16:52	LB135699
	Manganese	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Nickel	40.0	+/-40.0	U	40.0	P	05/07/2025	16:52	LB135699
	Potassium	2000	+/-2000	U	2000	P	05/07/2025	16:52	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	16:52	LB135699
	Sodium	2000	+/-2000	U	2000	P	05/07/2025	16:52	LB135699
	Thallium	40.0	+/-40.0	U	40.0	P	05/07/2025	16:52	LB135699
	Vanadium	40.0	+/-40.0	U	40.0	P	05/07/2025	16:52	LB135699
	Zinc	40.0	+/-40.0	U	40.0	P	05/07/2025	16:52	LB135699

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Metals
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PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167866BL		**WATER**		**Batch Number:**	**PB167866**		**Prep Date:**	**05/05/2025**	
	Mercury	0.20	<0.20	U	0.20	CV	05/05/2025	12:52	LB135662

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167870BL		**SOLID**		**Batch Number:**	**PB167870**		**Prep Date:**	**05/05/2025**	
	Mercury	0.013	<0.013	U	0.013	CV	05/05/2025	15:24	LB135670

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Metals
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PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167858BL		**WATER**		**Batch Number:**	**PB167858**		**Prep Date:**	**05/05/2025**	
	Aluminum	50.0	<50.0	U	50.0	P	05/05/2025	18:22	LB135674
	Antimony	25.0	<25.0	U	25.0	P	05/05/2025	18:22	LB135674
	Arsenic	10.0	<10.0	U	10.0	P	05/05/2025	18:22	LB135674
	Barium	50.0	<50.0	U	50.0	P	05/05/2025	18:22	LB135674
	Beryllium	3.00	<3.00	U	3.00	P	05/05/2025	18:22	LB135674
	Cadmium	3.00	<3.00	U	3.00	P	05/05/2025	18:22	LB135674
	Calcium	1000	<1000	U	1000	P	05/05/2025	18:22	LB135674
	Chromium	5.00	<5.00	U	5.00	P	05/05/2025	18:22	LB135674
	Cobalt	15.0	<15.0	U	15.0	P	05/05/2025	18:22	LB135674
	Copper	10.0	<10.0	U	10.0	P	05/05/2025	18:22	LB135674
	Iron	50.0	<50.0	U	50.0	P	05/05/2025	18:22	LB135674
	Lead	6.00	<6.00	U	6.00	P	05/05/2025	18:22	LB135674
	Magnesium	1000	<1000	U	1000	P	05/05/2025	18:22	LB135674
	Manganese	10.0	<10.0	U	10.0	P	05/05/2025	18:22	LB135674
	Nickel	20.0	<20.0	U	20.0	P	05/05/2025	18:22	LB135674
	Potassium	1000	<1000	U	1000	P	05/05/2025	18:22	LB135674
	Selenium	10.0	<10.0	U	10.0	P	05/05/2025	18:22	LB135674
	Silver	5.00	<5.00	U	5.00	P	05/05/2025	18:22	LB135674
	Sodium	1000	<1000	U	1000	P	05/05/2025	18:22	LB135674
	Thallium	20.0	<20.0	U	20.0	P	05/05/2025	18:22	LB135674
	Vanadium	20.0	<20.0	U	20.0	P	05/05/2025	18:22	LB135674
	Zinc	20.0	<20.0	U	20.0	P	05/05/2025	18:22	LB135674

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB167880BL		**SOLID**		**Batch Number:**	**PB167880**		**Prep Date:**	**05/06/2025**	
	Aluminum	4.76	<4.76	U	4.76	P	05/07/2025	14:04	LB135699
	Antimony	2.38	<2.38	U	2.38	P	05/07/2025	14:04	LB135699
	Arsenic	0.95	<0.95	U	0.95	P	05/07/2025	14:04	LB135699
	Barium	4.76	<4.76	U	4.76	P	05/07/2025	14:04	LB135699
	Beryllium	0.29	<0.29	U	0.29	P	05/07/2025	14:04	LB135699
	Cadmium	0.29	<0.29	U	0.29	P	05/07/2025	14:04	LB135699
	Calcium	95.2	<95.2	U	95.2	P	05/07/2025	14:04	LB135699
	Chromium	0.48	<0.48	U	0.48	P	05/07/2025	14:04	LB135699
	Cobalt	1.43	<1.43	U	1.43	P	05/07/2025	14:04	LB135699
	Copper	0.95	<0.95	U	0.95	P	05/07/2025	14:04	LB135699
	Iron	4.76	<4.76	U	4.76	P	05/07/2025	14:04	LB135699
	Lead	0.57	<0.57	U	0.57	P	05/07/2025	14:04	LB135699
	Magnesium	95.2	<95.2	U	95.2	P	05/07/2025	14:04	LB135699
	Manganese	0.95	<0.95	U	0.95	P	05/07/2025	14:04	LB135699
	Nickel	1.90	<1.90	U	1.90	P	05/07/2025	14:04	LB135699

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Metals
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PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Instrument: P4

Potassium	95.2	<95.2	U	95.2	P	05/07/2025	14:04	LB135699
Selenium	0.95	<0.95	U	0.95	P	05/07/2025	14:04	LB135699
Silver	0.48	<0.48	U	0.48	P	05/07/2025	14:04	LB135699
Sodium	95.2	<95.2	U	95.2	P	05/07/2025	14:04	LB135699
Thallium	1.90	<1.90	U	1.90	P	05/07/2025	14:04	LB135699
Vanadium	1.90	<1.90	U	1.90	P	05/07/2025	14:04	LB135699
Zinc	1.90	<1.90	U	1.90	P	05/07/2025	14:04	LB135699

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
ICSA01	Aluminum	240000	255000	94	216000	294000	05/05/2025	14:52	LB135674
	Antimony	-3.42			-50	50	05/05/2025	14:52	LB135674
	Arsenic	4.47			-20	20	05/05/2025	14:52	LB135674
	Barium	0.40	6.0	7	-94	106	05/05/2025	14:52	LB135674
	Beryllium	1.29			-6	6	05/05/2025	14:52	LB135674
	Cadmium	-1.99	1.0	199	-5	7	05/05/2025	14:52	LB135674
	Calcium	226000	245000	92	208000	282000	05/05/2025	14:52	LB135674
	Chromium	53.8	52.0	104	42	62	05/05/2025	14:52	LB135674
	Cobalt	1.10			-30	30	05/05/2025	14:52	LB135674
	Copper	12.1	2.0	605	-18	22	05/05/2025	14:52	LB135674
	Iron	91500	101000	91	85600	116500	05/05/2025	14:52	LB135674
	Lead	-1.42			-12	12	05/05/2025	14:52	LB135674
	Magnesium	242000	255000	95	216000	294000	05/05/2025	14:52	LB135674
	Manganese	1.97	7.0	28	-13	27	05/05/2025	14:52	LB135674
	Nickel	1.16	2.0	58	-38	42	05/05/2025	14:52	LB135674
	Potassium	-11.6			0	0	05/05/2025	14:52	LB135674
	Selenium	-15.2			-20	20	05/05/2025	14:52	LB135674
	Silver	0.79			-10	10	05/05/2025	14:52	LB135674
	Sodium	7.57			0	0	05/05/2025	14:52	LB135674
	Thallium	5.95			-40	40	05/05/2025	14:52	LB135674
	Vanadium	1.94			-40	40	05/05/2025	14:52	LB135674
	Zinc	3.23			-40	40	05/05/2025	14:52	LB135674
ICSAB01	Aluminum	233000	247000	94	209000	285000	05/05/2025	15:07	LB135674
	Antimony	651	618	105	525	711	05/05/2025	15:07	LB135674
	Arsenic	112	104	108	88.4	120	05/05/2025	15:07	LB135674
	Barium	496	537	92	437	637	05/05/2025	15:07	LB135674
	Beryllium	504	495	102	420	570	05/05/2025	15:07	LB135674
	Cadmium	1050	972	108	826	1120	05/05/2025	15:07	LB135674
	Calcium	219000	235000	93	199000	271000	05/05/2025	15:07	LB135674
	Chromium	572	542	106	460	624	05/05/2025	15:07	LB135674
	Cobalt	517	476	109	404	548	05/05/2025	15:07	LB135674
	Copper	520	511	102	434	588	05/05/2025	15:07	LB135674
	Iron	93700	99300	94	84400	114500	05/05/2025	15:07	LB135674
	Lead	48.4	49.0	99	37	61	05/05/2025	15:07	LB135674
	Magnesium	234000	248000	94	210000	286000	05/05/2025	15:07	LB135674
	Manganese	491	507	97	430	584	05/05/2025	15:07	LB135674
	Nickel	1020	954	107	810	1100	05/05/2025	15:07	LB135674
	Potassium	-13.2			0	0	05/05/2025	15:07	LB135674
	Selenium	35.7	46.0	78	26	66	05/05/2025	15:07	LB135674
	Silver	195	201	97	170	232	05/05/2025	15:07	LB135674
	Sodium	-28.0			0	0	05/05/2025	15:07	LB135674
	Thallium	104	108	96	68	148	05/05/2025	15:07	LB135674

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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	487	491	99	417	565	05/05/2025	15:07	LB135674
	Zinc	1070	952	112	809	1095	05/05/2025	15:07	LB135674
ICSA01	Aluminum	233000	255000	91	216000	294000	05/07/2025	13:21	LB135699
	Antimony	-1.02			-50	50	05/07/2025	13:21	LB135699
	Arsenic	-1.60			-20	20	05/07/2025	13:21	LB135699
	Barium	-1.29	6.0	22	-94	106	05/07/2025	13:21	LB135699
	Beryllium	1.26			-6	6	05/07/2025	13:21	LB135699
	Cadmium	-2.63	1.0	263	-5	7	05/07/2025	13:21	LB135699
	Calcium	225000	245000	92	208000	282000	05/07/2025	13:21	LB135699
	Chromium	54.1	52.0	104	42	62	05/07/2025	13:21	LB135699
	Cobalt	1.12			-30	30	05/07/2025	13:21	LB135699
	Copper	-2.32	2.0	116	-18	22	05/07/2025	13:21	LB135699
	Iron	94700	101000	94	85600	116500	05/07/2025	13:21	LB135699
	Lead	-2.88			-12	12	05/07/2025	13:21	LB135699
	Magnesium	239000	255000	94	216000	294000	05/07/2025	13:21	LB135699
	Manganese	7.87	7.0	112	-13	27	05/07/2025	13:21	LB135699
	Nickel	2.04	2.0	102	-38	42	05/07/2025	13:21	LB135699
	Potassium	0.38			0	0	05/07/2025	13:21	LB135699
	Selenium	-9.82			-20	20	05/07/2025	13:21	LB135699
	Silver	1.08			-10	10	05/07/2025	13:21	LB135699
	Sodium	35.9			0	0	05/07/2025	13:21	LB135699
	Thallium	7.75			-40	40	05/07/2025	13:21	LB135699
	Vanadium	2.40			-40	40	05/07/2025	13:21	LB135699
	Zinc	3.10			-40	40	05/07/2025	13:21	LB135699
ICSAB01	Aluminum	231000	247000	94	209000	285000	05/07/2025	13:25	LB135699
	Antimony	642	618	104	525	711	05/07/2025	13:25	LB135699
	Arsenic	117	104	112	88.4	120	05/07/2025	13:25	LB135699
	Barium	502	537	94	437	637	05/07/2025	13:25	LB135699
	Beryllium	528	495	107	420	570	05/07/2025	13:25	LB135699
	Cadmium	1070	972	110	826	1120	05/07/2025	13:25	LB135699
	Calcium	221000	235000	94	199000	271000	05/07/2025	13:25	LB135699
	Chromium	586	542	108	460	624	05/07/2025	13:25	LB135699
	Cobalt	523	476	110	404	548	05/07/2025	13:25	LB135699
	Copper	509	511	100	434	588	05/07/2025	13:25	LB135699
	Iron	90800	99300	91	84400	114500	05/07/2025	13:25	LB135699
	Lead	55.5	49.0	113	37	61	05/07/2025	13:25	LB135699
	Magnesium	235000	248000	95	210000	286000	05/07/2025	13:25	LB135699
	Manganese	512	507	101	430	584	05/07/2025	13:25	LB135699
	Nickel	1040	954	109	810	1100	05/07/2025	13:25	LB135699
	Potassium	-13.9			0	0	05/07/2025	13:25	LB135699
	Selenium	41.2	46.0	90	26	66	05/07/2025	13:25	LB135699
	Silver	197	201	98	170	232	05/07/2025	13:25	LB135699

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	Sodium	-3.21			0	0	05/07/2025	13:25	LB135699
	Thallium	115	108	106	68	148	05/07/2025	13:25	LB135699
	Vanadium	501	491	102	417	565	05/07/2025	13:25	LB135699
	Zinc	1080	952	113	809	1095	05/07/2025	13:25	LB135699

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1956

contract: CAMP02 **lab code:** CHEM **case no.:** Q1956 **sas no.:** Q1956

matrix: Water **sample id:** Q1930-01 **client id:** WATER-TREATMENT-DISCHARGEMS

Percent Solids for Sample: NA **Spiked ID:** Q1930-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	14800		14300		1000	52		P
Antimony	ug/L	75 - 125	440		25.0	U	400	110		P
Arsenic	ug/L	75 - 125	428		10.0	U	400	107		P
Barium	ug/L	75 - 125	92.9		50.0	U	100	93		P
Beryllium	ug/L	75 - 125	100		3.00	U	100	100		P
Cadmium	ug/L	75 - 125	107		3.00	U	100	107		P
Calcium	ug/L	75 - 125	8500		8400		500	21		P
Chromium	ug/L	75 - 125	345		156		200	94		P
Cobalt	ug/L	75 - 125	102		15.0	U	100	102		P
Copper	ug/L	75 - 125	151		17.4		150	89		P
Iron	ug/L	75 - 125	2190		668		1500	101		P
Lead	ug/L	75 - 125	492		6.00	U	500	98		P
Magnesium	ug/L	75 - 125	2000		1150		1000	85		P
Manganese	ug/L	75 - 125	99.1		4.86	J	100	94		P
Nickel	ug/L	75 - 125	267		12.9	J	250	101		P
Potassium	ug/L	75 - 125	128000		129000		5000	-38		P
Selenium	ug/L	75 - 125	1120		10.0	U	1000	112		P
Silver	ug/L	75 - 125	42.1		5.00	U	37.5	112		P
Sodium	ug/L	75 - 125	961000		1020000		1500	-4061		P
Thallium	ug/L	75 - 125	907		20.0	U	1000	91		P
Vanadium	ug/L	75 - 125	146		20.0	U	150	97		P
Zinc	ug/L	75 - 125	157		49.2		100	108		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1956

contract: CAMP02 **lab code:** CHEM **case no.:** Q1956 **sas no.:** Q1956

matrix: Water **sample id:** Q1930-01 **client id:** WATER-TREATMENT-DISCHARGEMSD

Percent Solids for Sample: NA **Spiked ID:** Q1930-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	14000		14300		1000	-23		P
Antimony	ug/L	75 - 125	427		25.0	U	400	107		P
Arsenic	ug/L	75 - 125	436		10.0	U	400	109		P
Barium	ug/L	75 - 125	95.7		50.0	U	100	96		P
Beryllium	ug/L	75 - 125	93.7		3.00	U	100	94		P
Cadmium	ug/L	75 - 125	108		3.00	U	100	108		P
Calcium	ug/L	75 - 125	8260		8400		500	-29		P
Chromium	ug/L	75 - 125	341		156		200	93		P
Cobalt	ug/L	75 - 125	103		15.0	U	100	103		P
Copper	ug/L	75 - 125	152		17.4		150	90		P
Iron	ug/L	75 - 125	2280		668		1500	108		P
Lead	ug/L	75 - 125	495		6.00	U	500	99		P
Magnesium	ug/L	75 - 125	1940		1150		1000	79		P
Manganese	ug/L	75 - 125	106		4.86	J	100	101		P
Nickel	ug/L	75 - 125	269		12.9	J	250	102		P
Potassium	ug/L	75 - 125	128000		129000		5000	-28		P
Selenium	ug/L	75 - 125	1130		10.0	U	1000	113		P
Silver	ug/L	75 - 125	38.4		5.00	U	37.5	102		P
Sodium	ug/L	75 - 125	959000		1020000		1500	-4195		P
Thallium	ug/L	75 - 125	922		20.0	U	1000	92		P
Vanadium	ug/L	75 - 125	148		20.0	U	150	99		P
Zinc	ug/L	75 - 125	151		49.2		100	102		P

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1956

contract: CAMP02 **lab code:** CHEM **case no.:** Q1956 **sas no.:** Q1956

matrix: Water **sample id:** Q1945-01 **client id:** GB1WMS

Percent Solids for Sample: NA **Spiked ID:** Q1945-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	6.44		4.53		4.0	48	N	CV

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1956

contract: CAMP02 **lab code:** CHEM **case no.:** Q1956 **sas no.:** Q1956

matrix: Water **sample id:** Q1945-01 **client id:** GB1WMSD

Percent Solids for Sample: NA **Spiked ID:** Q1945-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	6.37		4.53		4.0	46	N	CV

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1956

contract: CAMP02 **lab code:** CHEM **case no.:** Q1956 **sas no.:** Q1956

matrix: Solid **sample id:** Q1956-02 **client id:** SB2-4-5MS

Percent Solids for Sample: 93.5 **Spiked ID:** Q1956-03 **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1210		834		98.6	384		P
Antimony	mg/Kg	75 - 125	24.8		2.46	U	39.4	63	N	P
Arsenic	mg/Kg	75 - 125	37.2		0.93	J	39.4	92		P
Barium	mg/Kg	75 - 125	10.9		1.99	J	9.9	90		P
Beryllium	mg/Kg	75 - 125	9.18		0.067	J	9.9	92		P
Cadmium	mg/Kg	75 - 125	9.19		0.30	U	9.9	93		P
Calcium	mg/Kg	75 - 125	414		363		49.3	104		P
Chromium	mg/Kg	75 - 125	21.7		2.65		19.7	97		P
Cobalt	mg/Kg	75 - 125	9.65		0.52	J	9.9	92		P
Copper	mg/Kg	75 - 125	15.3		1.60		14.8	92		P
Iron	mg/Kg	75 - 125	2010		1720		150	192		P
Lead	mg/Kg	75 - 125	47.0		1.49		49.3	92		P
Magnesium	mg/Kg	75 - 125	337		194		98.6	145	N	P
Manganese	mg/Kg	75 - 125	21.1		10.8		9.9	104		P
Mercury	mg/Kg	80 - 120	0.29		0.0080	J	0.27	104		CV
Nickel	mg/Kg	75 - 125	24.4		1.34	J	24.6	94		P
Potassium	mg/Kg	75 - 125	699		116		490	119		P
Selenium	mg/Kg	75 - 125	87.2		0.99	U	98.6	88		P
Silver	mg/Kg	75 - 125	3.46		0.49	U	3.7	94		P
Sodium	mg/Kg	75 - 125	1100		495		150	404	N	P
Thallium	mg/Kg	75 - 125	94.3		1.97	U	98.6	96		P
Vanadium	mg/Kg	75 - 125	16.1		2.21		14.8	94		P
Zinc	mg/Kg	75 - 125	13.1		3.27		9.9	99		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1956

contract: CAMP02 **lab code:** CHEM **case no.:** Q1956 **sas no.:** Q1956

matrix: Solid **sample id:** Q1956-02 **client id:** SB2-4-5MSD

Percent Solids for Sample: 93.5 **Spiked ID:** Q1956-04 **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	1070		834		89.9	262		P
Antimony	mg/Kg	75 - 125	22.9		2.46	U	36.0	64	N	P
Arsenic	mg/Kg	75 - 125	33.3		0.93	J	36.0	90		P
Barium	mg/Kg	75 - 125	10.0		1.99	J	9.0	89		P
Beryllium	mg/Kg	75 - 125	7.71		0.067	J	9.0	85		P
Cadmium	mg/Kg	75 - 125	8.20		0.30	U	9.0	91		P
Calcium	mg/Kg	75 - 125	410		363		44.9	105		P
Chromium	mg/Kg	75 - 125	19.5		2.65		18.0	94		P
Cobalt	mg/Kg	75 - 125	8.68		0.52	J	9.0	91		P
Copper	mg/Kg	75 - 125	13.7		1.60		13.5	90		P
Iron	mg/Kg	75 - 125	1960		1720		130	184		P
Lead	mg/Kg	75 - 125	42.3		1.49		44.9	91		P
Magnesium	mg/Kg	75 - 125	301		194		89.9	119		P
Manganese	mg/Kg	75 - 125	19.5		10.8		9.0	97		P
Mercury	mg/Kg	80 - 120	0.29		0.0080	J	0.25	114		CV
Nickel	mg/Kg	75 - 125	22.0		1.34	J	22.5	92		P
Potassium	mg/Kg	75 - 125	531		116		450	92		P
Selenium	mg/Kg	75 - 125	78.3		0.99	U	89.9	87		P
Silver	mg/Kg	75 - 125	3.11		0.49	U	3.4	92		P
Sodium	mg/Kg	75 - 125	566		495		130	55	N	P
Thallium	mg/Kg	75 - 125	87.9		1.97	U	89.9	98		P
Vanadium	mg/Kg	75 - 125	14.4		2.21		13.5	90		P
Zinc	mg/Kg	75 - 125	11.6		3.27		9.0	93		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Water **Level:** LOW **Client ID:** GB1WA

Sample ID: Q1945-01 **Spiked ID:** Q1945-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	ug/L	75 - 125	8.15		4.53		4.00	91		CV

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Metals
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POST DIGEST SPIKE SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Solid **Level:** LOW **Client ID:** SB2-4-5A

Sample ID: Q1956-02 **Spiked ID:** Q1956-02A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	35.6		2.46	U	39.4	90		P
Magnesium	mg/Kg	75 - 125	280		194		98.6	87		P
Sodium	mg/Kg	75 - 125	664		495		150	113		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Water **Sample ID:** Q1930-01 **Client ID:** WATER-TREATMENT-DISCHARGEDUP

Percent Solids for Sample: NA **Duplicate ID** Q1930-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	14300		14400		1		P
Antimony	ug/L	20	25.0	U	25.0	U			P
Arsenic	ug/L	20	10.0	U	10.0	U			P
Barium	ug/L	20	50.0	U	50.0	U			P
Beryllium	ug/L	20	3.00	U	3.00	U			P
Cadmium	ug/L	20	3.00	U	3.00	U			P
Calcium	ug/L	20	8400		8490		1		P
Chromium	ug/L	20	156		159		2		P
Cobalt	ug/L	20	15.0	U	15.0	U			P
Copper	ug/L	20	17.4		17.4		0		P
Iron	ug/L	20	668		691		3		P
Lead	ug/L	20	6.00	U	6.00	U			P
Magnesium	ug/L	20	1150		1150		0		P
Manganese	ug/L	20	4.86	J	3.77	J	25		P
Nickel	ug/L	20	12.9	J	12.8	J	1		P
Potassium	ug/L	20	129000		134000		4		P
Selenium	ug/L	20	10.0	U	10.0	U			P
Silver	ug/L	20	5.00	U	5.00	U			P
Sodium	ug/L	20	1020000		1050000		3		P
Thallium	ug/L	20	20.0	U	20.0	U			P
Vanadium	ug/L	20	20.0	U	20.0	U			P
Zinc	ug/L	20	49.2		49.8		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Water **Sample ID:** Q1930-01MS **Client ID:** WATER-TREATMENT-DISCHARGEMSD

Percent Solids for Sample: NA **Duplicate ID** Q1930-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	14800		14000		6		P
Antimony	ug/L	20	440		427		3		P
Arsenic	ug/L	20	428		436		2		P
Barium	ug/L	20	92.9		95.7		3		P
Beryllium	ug/L	20	100		93.7		7		P
Cadmium	ug/L	20	107		108		1		P
Calcium	ug/L	20	8500		8260		3		P
Chromium	ug/L	20	345		341		1		P
Cobalt	ug/L	20	102		103		1		P
Copper	ug/L	20	151		152		1		P
Iron	ug/L	20	2190		2280		4		P
Lead	ug/L	20	492		495		1		P
Magnesium	ug/L	20	2000		1940		3		P
Manganese	ug/L	20	99.1		106		7		P
Nickel	ug/L	20	267		269		1		P
Potassium	ug/L	20	128000		128000		0		P
Selenium	ug/L	20	1120		1130		1		P
Silver	ug/L	20	42.1		38.4		9		P
Sodium	ug/L	20	961000		959000		0		P
Thallium	ug/L	20	907		922		2		P
Vanadium	ug/L	20	146		148		1		P
Zinc	ug/L	20	157		151		4		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Water **Sample ID:** Q1945-01 **Client ID:** GB1WDUP

Percent Solids for Sample: NA **Duplicate ID** Q1945-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	4.53		4.52		0		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Water **Sample ID:** Q1945-01MS **Client ID:** GB1WMSD

Percent Solids for Sample: NA **Duplicate ID** Q1945-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	ug/L	20	6.44		6.37		1		CV

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Solid **Sample ID:** Q1956-02 **Client ID:** SB2-4-5DUP

Percent Solids for Sample: 93.5 **Duplicate ID** Q1956-02DUP **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	834		908		8		P
Antimony	mg/Kg	20	2.46	U	2.41	U			P
Arsenic	mg/Kg	20	0.93	J	1.03		10		P
Barium	mg/Kg	20	1.99	J	2.11	J	6		P
Beryllium	mg/Kg	20	0.067	J	0.073	J	9		P
Cadmium	mg/Kg	20	0.30	U	0.29	U			P
Calcium	mg/Kg	20	363		366		1		P
Chromium	mg/Kg	20	2.65		2.60		2		P
Cobalt	mg/Kg	20	0.52	J	0.59	J	14		P
Copper	mg/Kg	20	1.60		1.84		14		P
Iron	mg/Kg	20	1720		1950		13		P
Lead	mg/Kg	20	1.49		1.75		16		P
Magnesium	mg/Kg	20	194		223		14		P
Manganese	mg/Kg	20	10.8		12.3		13		P
Mercury	mg/Kg	20	0.0080	J	0.0080	J	0		CV
Nickel	mg/Kg	20	1.34	J	1.47	J	9		P
Potassium	mg/Kg	20	116		169		37		P
Selenium	mg/Kg	20	0.99	U	0.96	U			P
Silver	mg/Kg	20	0.49	U	0.48	U			P
Sodium	mg/Kg	20	495		582		16		P
Thallium	mg/Kg	20	1.97	U	1.93	U			P
Vanadium	mg/Kg	20	2.21		2.56		15		P
Zinc	mg/Kg	20	3.27		4.43		30	*	P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Solid **Sample ID:** Q1956-03 **Client ID:** SB2-4-5MSD

Percent Solids for Sample: 93.5 **Duplicate ID** Q1956-04 **Percent Solids for Spike Sample:** 93.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	1210		1070		12		P
Antimony	mg/Kg	20	24.8		22.9		8		P
Arsenic	mg/Kg	20	37.2		33.3		11		P
Barium	mg/Kg	20	10.9		10.0		8		P
Beryllium	mg/Kg	20	9.18		7.71		17		P
Cadmium	mg/Kg	20	9.19		8.20		11		P
Calcium	mg/Kg	20	414		410		1		P
Chromium	mg/Kg	20	21.7		19.5		11		P
Cobalt	mg/Kg	20	9.65		8.68		11		P
Copper	mg/Kg	20	15.3		13.7		11		P
Iron	mg/Kg	20	2010		1960		3		P
Lead	mg/Kg	20	47.0		42.3		11		P
Magnesium	mg/Kg	20	337		301		11		P
Manganese	mg/Kg	20	21.1		19.5		8		P
Mercury	mg/Kg	20	0.29		0.29		1		CV
Nickel	mg/Kg	20	24.4		22.0		10		P
Potassium	mg/Kg	20	699		531		27	*	P
Selenium	mg/Kg	20	87.2		78.3		11		P
Silver	mg/Kg	20	3.46		3.11		11		P
Sodium	mg/Kg	20	1100		566		64	*	P
Thallium	mg/Kg	20	94.3		87.9		7		P
Vanadium	mg/Kg	20	16.1		14.4		11		P
Zinc	mg/Kg	20	13.1		11.6		12		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167858BS							
Aluminum	ug/L	1000	869		87	80 - 120	P
Antimony	ug/L	400	379		95	80 - 120	P
Arsenic	ug/L	400	370		92	80 - 120	P
Barium	ug/L	100	87.2		87	80 - 120	P
Beryllium	ug/L	100	85.5		86	80 - 120	P
Cadmium	ug/L	100	92.1		92	80 - 120	P
Calcium	ug/L	500	448	J	90	80 - 120	P
Chromium	ug/L	200	183		92	80 - 120	P
Cobalt	ug/L	100	89.4		89	80 - 120	P
Copper	ug/L	150	140		93	80 - 120	P
Iron	ug/L	1500	1400		93	80 - 120	P
Lead	ug/L	500	457		91	80 - 120	P
Magnesium	ug/L	1000	866	J	87	80 - 120	P
Manganese	ug/L	100	89.5		90	80 - 120	P
Nickel	ug/L	250	228		91	80 - 120	P
Potassium	ug/L	5000	4510		90	80 - 120	P
Selenium	ug/L	1000	937		94	80 - 120	P
Silver	ug/L	37.5	34.0		91	80 - 120	P
Sodium	ug/L	1500	1370		91	80 - 120	P
Thallium	ug/L	1000	916		92	80 - 120	P
Vanadium	ug/L	150	134		89	80 - 120	P
Zinc	ug/L	100	91.9		92	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167866BS							
Mercury	ug/L	4.0	3.72		93	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167870BS							
Mercury	mg/Kg	0.24	0.21		89	80 - 120	CV

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167880BS							
Aluminum	mg/Kg	96.2	86.4		90	80 - 120	P
Antimony	mg/Kg	38.5	34.8		90	80 - 120	P
Arsenic	mg/Kg	38.5	34.1		89	80 - 120	P
Barium	mg/Kg	9.6	8.08		84	80 - 120	P
Beryllium	mg/Kg	9.6	9.08		95	80 - 120	P
Cadmium	mg/Kg	9.6	8.82		92	80 - 120	P
Calcium	mg/Kg	48.1	45.5	J	95	80 - 120	P
Chromium	mg/Kg	19.2	18.2		95	80 - 120	P
Cobalt	mg/Kg	9.6	8.59		90	80 - 120	P
Copper	mg/Kg	14.4	13.3		92	80 - 120	P
Iron	mg/Kg	140	129		92	80 - 120	P
Lead	mg/Kg	48.1	43.6		91	80 - 120	P
Magnesium	mg/Kg	96.2	84.9	J	88	80 - 120	P
Manganese	mg/Kg	9.6	8.50		88	80 - 120	P
Nickel	mg/Kg	24.0	21.6		90	80 - 120	P
Potassium	mg/Kg	480	408		85	80 - 120	P
Selenium	mg/Kg	96.2	85.4		89	80 - 120	P
Silver	mg/Kg	3.6	3.35		93	80 - 120	P
Sodium	mg/Kg	140	138		99	80 - 120	P
Thallium	mg/Kg	96.2	90.3		94	80 - 120	P
Vanadium	mg/Kg	14.4	13.0		90	80 - 120	P
Zinc	mg/Kg	9.6	8.99		94	80 - 120	P

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ICP SERIAL DILUTIONS

SAMPLE NO.

WATER-TREATMENT-DISCHARGEL

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135674 **Lab Sample ID :** Q1930-01L **SDG No.:** Q1956

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	14300		13700		4		P
Antimony	25.0	U	125	U			P
Arsenic	10.0	U	50.0	U			P
Barium	50.0	U	250	U			P
Beryllium	3.00	U	15.0	U			P
Cadmium	3.00	U	15.0	U			P
Calcium	8400		8230		2		P
Chromium	156		151		3		P
Cobalt	15.0	U	75.0	U			P
Copper	17.4		17.4	J	0		P
Iron	668		594		11		P
Lead	6.00	U	30.0	U			P
Magnesium	1150		1170	J	2		P
Manganese	4.86	J	50.0	U	100.0		P
Nickel	12.9	J	12.4	J	4		P
Potassium	129000		109000		16		P
Selenium	10.0	U	50.0	U			P
Silver	5.00	U	25.0	U			P
Sodium	1020000		958000		6		P
Thallium	20.0	U	100	U			P
Vanadium	20.0	U	100	U			P
Zinc	49.2		42.9	J	13		P

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ICP SERIAL DILUTIONS

SAMPLE NO.

GB1WL

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135662 **Lab Sample ID :** Q1945-01L **SDG No.:** Q1956

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Mercury	4.53		4.40		3		CV

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ICP SERIAL DILUTIONS

SAMPLE NO.

SB2-4-5L

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135699 **Lab Sample ID :** Q1956-02L **SDG No.:** Q1956

Matrix (soil/water): Solid **Level (low/med):** LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	834		842		1		P
Antimony	2.46	U	12.3	U			P
Arsenic	0.93	J	4.93	U	100.0		P
Barium	1.99	J	24.6	U	100.0		P
Beryllium	0.067	J	1.48	U	100.0		P
Cadmium	0.30	U	1.48	U			P
Calcium	363		357	J	2		P
Chromium	2.65		2.54		4		P
Cobalt	0.52	J	0.49	J	4		P
Copper	1.60		1.65	J	3		P
Iron	1720		1640		5		P
Lead	1.49		1.68	J	13		P
Magnesium	194		191	J	2		P
Manganese	10.8		9.42		12		P
Mercury	0.0080	J	0.066	U	100.0		CV
Nickel	1.34	J	1.30	J	3		P
Potassium	116		493	U	100.0		P
Selenium	0.99	U	4.93	U			P
Silver	0.49	U	2.46	U			P
Sodium	495		458	J	7		P
Thallium	1.97	U	9.86	U			P
Vanadium	2.21		2.46	J	11		P
Zinc	3.27		3.05	J	7		P

METAL PREPARATION & INSTRUMENT DATA

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q1956 **SAS No.:** Q1956

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167858**						
PB167858BL	PB167858BL	MB	WATER	05/05/2025	50.0	25.0	
PB167858BS	PB167858BS	LCS	WATER	05/05/2025	50.0	25.0	
Q1930-01DUP	WATER-TREATMENT-DISCHARGEDUP	DUP	WATER	05/05/2025	50.0	25.0	
Q1930-01MS	WATER-TREATMENT-DISCHARGEMS	MS	WATER	05/05/2025	50.0	25.0	
Q1930-01MSD	WATER-TREATMENT-DISCHARGEMSD	MSD	WATER	05/05/2025	50.0	25.0	
Q1956-07	FB-05022025	SAM	WATER	05/05/2025	50.0	25.0	

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q1956 **SAS No.:** Q1956

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167866**						
PB167866BL	PB167866BL	MB	WATER	05/05/2025	30.0	30.0	
PB167866BS	PB167866BS	LCS	WATER	05/05/2025	30.0	30.0	
Q1945-01DUP	GB1WDUP	DUP	WATER	05/05/2025	30.0	30.0	
Q1945-01MS	GB1WMS	MS	WATER	05/05/2025	30.0	30.0	
Q1945-01MSD	GB1WMSD	MSD	WATER	05/05/2025	30.0	30.0	
Q1956-07	FB-05022025	SAM	WATER	05/05/2025	30.0	30.0	

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q1956 **SAS No.:** Q1956

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167870**						
PB167870BL	PB167870BL	MB	SOLID	05/05/2025	0.54	35.0	100.00
PB167870BS	PB167870BS	LCS	SOLID	05/05/2025	0.59	35.0	100.00
Q1956-01	SB1-3-4	SAM	SOLID	05/05/2025	0.57	35.0	89.00
Q1956-02	SB2-4-5	SAM	SOLID	05/05/2025	0.57	35.0	93.50
Q1956-02DUP	SB2-4-5DUP	DUP	SOLID	05/05/2025	0.59	35.0	93.50
Q1956-03	SB2-4-5MS	MS	SOLID	05/05/2025	0.55	35.0	93.50
Q1956-04	SB2-4-5MSD	MSD	SOLID	05/05/2025	0.59	35.0	93.50
Q1956-06	SB91-3-4	SAM	SOLID	05/05/2025	0.56	35.0	90.20

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q1956 **SAS No.:** Q1956

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167880**						
PB167880BL	PB167880BL	MB	SOLID	05/06/2025	2.10	100.0	100.00
PB167880BS	PB167880BS	LCS	SOLID	05/06/2025	2.08	100.0	100.00
Q1956-01	SB1-3-4	SAM	SOLID	05/06/2025	2.35	100.0	89.00
Q1956-02	SB2-4-5	SAM	SOLID	05/06/2025	2.17	100.0	93.50
Q1956-02DUP	SB2-4-5DUP	DUP	SOLID	05/06/2025	2.22	100.0	93.50
Q1956-03	SB2-4-5MS	MS	SOLID	05/06/2025	2.17	100.0	93.50
Q1956-04	SB2-4-5MSD	MSD	SOLID	05/06/2025	2.38	100.0	93.50
Q1956-06	SB91-3-4	SAM	SOLID	05/06/2025	2.12	100.0	90.20

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q1956 **Sas no.:** Q1956 **Sdg no.:** Q1956

Instrument id number: **Method:** **Run number:** LB135662

Start date: 05/05/2025 **End date:** 05/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1059	HG
S0.2	S0.2	1	1101	HG
S2.5	S2.5	1	1103	HG
S5	S5	1	1106	HG
S7.5	S7.5	1	1108	HG
S10	S10	1	1113	HG
ICV114	ICV114	1	1116	HG
ICB114	ICB114	1	1118	HG
CCV71	CCV71	1	1125	HG
CCB71	CCB71	1	1130	HG
CRA	CRA	1	1133	HG
CCV72	CCV72	1	1158	HG
CCB72	CCB72	1	1203	HG
CCV73	CCV73	1	1228	HG
CCB73	CCB73	1	1238	HG
PB167866BL	PB167866BL	1	1252	HG
PB167866BS	PB167866BS	1	1254	HG
CCV74	CCV74	1	1303	HG
CCB74	CCB74	1	1306	HG
Q1945-01DUP	GB1WDUP	1	1317	HG
Q1945-01MS	GB1WMS	1	1319	HG
Q1945-01MSD	GB1WMSD	1	1321	HG
Q1956-07	FB-05022025	1	1324	HG
Q1945-01L	GB1WL	5	1336	HG
Q1945-01A	GB1WA	1	1339	HG
CCV75	CCV75	1	1341	HG
CCB75	CCB75	1	1343	HG
CCV76	CCV76	1	1352	HG
CCB76	CCB76	1	1355	HG

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q1956 **Sas no.:** Q1956 **Sdg no.:** Q1956

Instrument id number: **Method:** **Run number:** LB135670

Start date: 05/05/2025 **End date:** 05/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1451	HG
S0.2	S0.2	1	1454	HG
S2.5	S2.5	1	1456	HG
S5	S5	1	1458	HG
S7.5	S7.5	1	1501	HG
S10	S10	1	1503	HG
ICV116	ICV116	1	1508	HG
ICB116	ICB116	1	1511	HG
CCV79	CCV79	1	1513	HG
CCB79	CCB79	1	1515	HG
CRA	CRA	1	1518	HG
PB167870BL	PB167870BL	1	1524	HG
PB167870BS	PB167870BS	1	1530	HG
Q1956-01	SB1-3-4	1	1534	HG
Q1956-02	SB2-4-5	1	1537	HG
Q1956-02DUP	SB2-4-5DUP	1	1539	HG
Q1956-03	SB2-4-5MS	1	1544	HG
CCV80	CCV80	1	1546	HG
CCB80	CCB80	1	1548	HG
Q1956-04	SB2-4-5MSD	1	1551	HG
Q1956-06	SB91-3-4	1	1553	HG
Q1956-02L	SB2-4-5L	5	1555	HG
CCV81	CCV81	1	1600	HG
CCB81	CCB81	1	1602	HG

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metals
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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q1956 **Sas no.:** Q1956 **Sdg no.:** Q1956

Instrument id number: **Method:** **Run number:** LB135674

Start date: 05/05/2025 **End date:** 05/05/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1302	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	1307	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	1311	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	1315	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	1319	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	1324	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	1418	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	1436	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	1441	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	1447	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	1452	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	1507	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	1520	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	1526	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	1607	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	1612	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	1656	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	1700	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	1755	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	1759	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167858BL	PB167858BL	1	1822	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167858BS	PB167858BS	1	1827	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	1843	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	1847	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	1932	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	1937	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	2019	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	2023	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	2107	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	2112	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1956-07	FB-05022025	1	2155	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV09	CCV09	1	2159	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB09	CCB09	1	2203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1930-01DUP	WATER-TREATMENT-DISCH/	1	2212	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1930-01L	WATER-TREATMENT-DISCH/	5	2216	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1930-01MS	WATER-TREATMENT-DISCH/	1	2221	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1930-01MSD	WATER-TREATMENT-DISCH/	1	2225	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV10	CCV10	1	2233	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB10	CCB10	1	2237	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q1956 **Sas no.:** Q1956 **Sdg no.:** Q1956

Instrument id number: **Method:** **Run number:** LB135699

Start date: 05/07/2025 **End date:** 05/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1234	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	1238	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	1243	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	1247	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	1251	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	1255	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	1259	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	1305	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	1309	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	1316	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	1321	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	1325	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	1339	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	1343	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167880BL	PB167880BL	1	1404	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB167880BS	PB167880BS	1	1408	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	1435	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	1439	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	1523	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	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1956-01	SB1-3-4	1	1536	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1956-02	SB2-4-5	1	1540	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1956-02DUP	SB2-4-5DUP	1	1544	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1956-02L	SB2-4-5L	5	1548	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1956-03	SB2-4-5MS	1	1553	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1956-04	SB2-4-5MSD	1	1557	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1956-02A	SB2-4-5A	1	1601	Mg,Na,Sb
CCV04	CCV04	1	1605	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	1609	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q1956-06	SB91-3-4	1	1613	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	1647	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	1652	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Mercury	7471B		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/06/25	05/07/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Mercury	7471B		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/06/25	05/07/25	
Q1956-05	**COMP1**	**TCLP**			**05/02/25**			**05/02/25**
			TCLP ICP Metals	6010D		05/06/25	05/07/25	
			TCLP Mercury	7470A		05/06/25	05/07/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Mercury	7471B		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/06/25	05/07/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Mercury	7470A		05/05/25	05/05/25	
			Metals ICP-TAL	6010D		05/05/25	05/05/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1956 **Order ID:** Q1956

Client: CDM Smith **Project ID:** Bergen Point Fueling System

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : COMP1								
Q1956-05	COMP1	TCLP	Barium	813		72.8	500	ug/L
Q1956-05	COMP1	TCLP	Lead	11.6	J	11.5	60.0	ug/L

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1	SDG No.:	Q1956
Lab Sample ID:	Q1956-05	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	100	U	1	25.6	100	ug/L	05/06/25 12:30	05/07/25 14:53	SW6010	SW3050
7440-39-3	Barium	813		1	72.8	500	ug/L	05/06/25 12:30	05/07/25 14:53	SW6010	SW3050
7440-43-9	Cadmium	30.0	U	1	2.50	30.0	ug/L	05/06/25 12:30	05/07/25 14:53	SW6010	SW3050
7440-47-3	Chromium	50.0	U	1	10.6	50.0	ug/L	05/06/25 12:30	05/07/25 14:53	SW6010	SW3050
7439-92-1	Lead	11.6	J	1	11.5	60.0	ug/L	05/06/25 12:30	05/07/25 14:53	SW6010	SW3050
7439-97-6	Mercury	2.00	U	1	0.76	2.00	ug/L	05/06/25 13:30	05/07/25 09:55	SW7470A	
7782-49-2	Selenium	100	U	1	48.2	100	ug/L	05/06/25 12:30	05/07/25 14:53	SW6010	SW3050
7440-22-4	Silver	50.0	U	1	8.10	50.0	ug/L	05/06/25 12:30	05/07/25 14:53	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	TCLP-FULL				

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

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
ICV01	Mercury	3.68	4.0	92	90 - 110	CV	05/07/2025	09:22	LB135690

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV86	Mercury	5.03	5.0	101	90 - 110	CV	05/07/2025	09:27	LB135690
CCV87	Mercury	5.01	5.0	100	90 - 110	CV	05/07/2025	10:00	LB135690
CCV88	Mercury	5.01	5.0	100	90 - 110	CV	05/07/2025	10:22	LB135690

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	968	1000	97	90 - 110	P	05/07/2025	12:59	LB135699
	Barium	534	520	103	90 - 110	P	05/07/2025	12:59	LB135699
	Cadmium	501	510	98	90 - 110	P	05/07/2025	12:59	LB135699
	Chromium	503	520	97	90 - 110	P	05/07/2025	12:59	LB135699
	Lead	980	1000	98	90 - 110	P	05/07/2025	12:59	LB135699
	Selenium	996	1000	100	90 - 110	P	05/07/2025	12:59	LB135699
	Silver	231	250	93	90 - 110	P	05/07/2025	12:59	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	19.8	20.0	99	80 - 120	P	05/07/2025	13:05	LB135699
	Barium	86.9	100	87	80 - 120	P	05/07/2025	13:05	LB135699
	Cadmium	6.10	6.0	102	80 - 120	P	05/07/2025	13:05	LB135699
	Chromium	9.59	10.0	96	80 - 120	P	05/07/2025	13:05	LB135699
	Lead	12.8	12.0	106	80 - 120	P	05/07/2025	13:05	LB135699
	Selenium	18.3	20.0	91	80 - 120	P	05/07/2025	13:05	LB135699
	Silver	10.3	10.0	103	80 - 120	P	05/07/2025	13:05	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
CCV01	Arsenic	5080	5000	102	90 - 110	P	05/07/2025	13:39	LB135699
	Barium	9770	10000	98	90 - 110	P	05/07/2025	13:39	LB135699
	Cadmium	2570	2500	103	90 - 110	P	05/07/2025	13:39	LB135699
	Chromium	1050	1000	104	90 - 110	P	05/07/2025	13:39	LB135699
	Lead	5150	5000	103	90 - 110	P	05/07/2025	13:39	LB135699
	Selenium	5050	5000	101	90 - 110	P	05/07/2025	13:39	LB135699
	Silver	1280	1250	102	90 - 110	P	05/07/2025	13:39	LB135699
CCV02	Arsenic	5050	5000	101	90 - 110	P	05/07/2025	14:35	LB135699
	Barium	10000	10000	100	90 - 110	P	05/07/2025	14:35	LB135699
	Cadmium	2490	2500	100	90 - 110	P	05/07/2025	14:35	LB135699
	Chromium	1020	1000	102	90 - 110	P	05/07/2025	14:35	LB135699
	Lead	5030	5000	101	90 - 110	P	05/07/2025	14:35	LB135699
	Selenium	5040	5000	101	90 - 110	P	05/07/2025	14:35	LB135699
	Silver	1270	1250	101	90 - 110	P	05/07/2025	14:35	LB135699
CCV03	Arsenic	4880	5000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Barium	9500	10000	95	90 - 110	P	05/07/2025	15:23	LB135699
	Cadmium	2420	2500	97	90 - 110	P	05/07/2025	15:23	LB135699
	Chromium	993	1000	99	90 - 110	P	05/07/2025	15:23	LB135699
	Lead	4870	5000	97	90 - 110	P	05/07/2025	15:23	LB135699
	Selenium	4900	5000	98	90 - 110	P	05/07/2025	15:23	LB135699
	Silver	1230	1250	98	90 - 110	P	05/07/2025	15:23	LB135699
CCV04	Arsenic	4850	5000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Barium	9490	10000	95	90 - 110	P	05/07/2025	16:05	LB135699
	Cadmium	2400	2500	96	90 - 110	P	05/07/2025	16:05	LB135699
	Chromium	968	1000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Lead	4840	5000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Selenium	4860	5000	97	90 - 110	P	05/07/2025	16:05	LB135699
	Silver	1180	1250	95	90 - 110	P	05/07/2025	16:05	LB135699
CCV05	Arsenic	5140	5000	103	90 - 110	P	05/07/2025	16:47	LB135699
	Barium	9560	10000	96	90 - 110	P	05/07/2025	16:47	LB135699
	Cadmium	2360	2500	95	90 - 110	P	05/07/2025	16:47	LB135699
	Chromium	965	1000	96	90 - 110	P	05/07/2025	16:47	LB135699
	Lead	4800	5000	96	90 - 110	P	05/07/2025	16:47	LB135699
	Selenium	5200	5000	104	90 - 110	P	05/07/2025	16:47	LB135699

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	1220	1250	98	90 - 110	P	05/07/2025	16:47	LB135699

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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	100	40 - 160	CV	05/07/2025	09:31	LB135690
CRI01	Arsenic	19.7	20.0	98	40 - 160	P	05/07/2025	13:16	LB135699
	Barium	88.3	100	88	40 - 160	P	05/07/2025	13:16	LB135699
	Cadmium	6.09	6.0	102	40 - 160	P	05/07/2025	13:16	LB135699
	Chromium	9.49	10.0	95	40 - 160	P	05/07/2025	13:16	LB135699
	Lead	13.4	12.0	112	40 - 160	P	05/07/2025	13:16	LB135699
	Selenium	16.5	20.0	82	40 - 160	P	05/07/2025	13:16	LB135699
	Silver	10.2	10.0	102	40 - 160	P	05/07/2025	13:16	LB135699

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Mercury	0.20	+/-0.20	U	0.20	CV	05/07/2025	09:25	LB135690

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB86	Mercury	0.20	+/-0.20	U	0.20	CV	05/07/2025	09:29	LB135690
CCB87	Mercury	0.20	+/-0.20	U	0.20	CV	05/07/2025	10:02	LB135690
CCB88	Mercury	0.20	+/-0.20	U	0.20	CV	05/07/2025	10:25	LB135690

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	13:09	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:09	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	13:09	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	13:09	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	13:09	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	13:09	LB135699

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	13:43	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	13:43	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	13:43	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	13:43	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	13:43	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	13:43	LB135699
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	14:39	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	14:39	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	14:39	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	14:39	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	14:39	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	14:39	LB135699
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	15:27	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	15:27	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	15:27	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	15:27	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	15:27	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	15:27	LB135699
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	16:09	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:09	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	16:09	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	16:09	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	16:09	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	16:09	LB135699
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Barium	100	+/-100	U	100	P	05/07/2025	16:52	LB135699
	Cadmium	6.00	+/-6.00	U	6.00	P	05/07/2025	16:52	LB135699
	Chromium	10.0	+/-10.0	U	10.0	P	05/07/2025	16:52	LB135699
	Lead	12.0	+/-12.0	U	12.0	P	05/07/2025	16:52	LB135699
	Selenium	20.0	+/-20.0	U	20.0	P	05/07/2025	16:52	LB135699
	Silver	10.0	+/-10.0	U	10.0	P	05/07/2025	16:52	LB135699

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167851TB		**WATER**		**Batch Number:**	**PB167883**		**Prep Date:**	**05/06/2025**	
	Mercury	2.00	<2.00	U	2.00	CV	05/07/2025	10:13	LB135690

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167883BL		**WATER**		**Batch Number:**	**PB167883**		**Prep Date:**	**05/06/2025**	
	Mercury	0.20	<0.20	U	0.20	CV	05/07/2025	10:16	LB135690

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167851TB		**WATER**		**Batch Number:**	**PB167882**		**Prep Date:**	**05/06/2025**	
	Arsenic	100	<100	U	100	P	05/07/2025	14:26	LB135699
	Barium	500	<500	U	500	P	05/07/2025	14:26	LB135699
	Cadmium	30.0	<30.0	U	30.0	P	05/07/2025	14:26	LB135699
	Chromium	50.0	<50.0	U	50.0	P	05/07/2025	14:26	LB135699
	Lead	60.0	<60.0	U	60.0	P	05/07/2025	14:26	LB135699
	Selenium	100	<100	U	100	P	05/07/2025	14:26	LB135699
	Silver	50.0	<50.0	U	50.0	P	05/07/2025	14:26	LB135699

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB167882BL		**WATER**		**Batch Number:**	**PB167882**		**Prep Date:**	**05/06/2025**	
	Arsenic	100	<100	U	100	P	05/07/2025	13:47	LB135699
	Barium	500	<500	U	500	P	05/07/2025	13:47	LB135699
	Cadmium	30.0	<30.0	U	30.0	P	05/07/2025	13:47	LB135699
	Chromium	50.0	<50.0	U	50.0	P	05/07/2025	13:47	LB135699
	Lead	60.0	<60.0	U	60.0	P	05/07/2025	13:47	LB135699
	Selenium	100	<100	U	100	P	05/07/2025	13:47	LB135699
	Silver	50.0	<50.0	U	50.0	P	05/07/2025	13:47	LB135699

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Metals
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INTERFERENCE CHECK SAMPLE

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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
ICSA01	Arsenic	-1.60			-20	20	05/07/2025	13:21	LB135699
	Barium	-1.29	6.0	22	-94	106	05/07/2025	13:21	LB135699
	Cadmium	-2.63	1.0	263	-5	7	05/07/2025	13:21	LB135699
	Chromium	54.1	52.0	104	42	62	05/07/2025	13:21	LB135699
	Lead	-2.88			-12	12	05/07/2025	13:21	LB135699
	Selenium	-9.82			-20	20	05/07/2025	13:21	LB135699
	Silver	1.08			-10	10	05/07/2025	13:21	LB135699
ICSAB01	Arsenic	117	104	112	88.4	120	05/07/2025	13:25	LB135699
	Barium	502	537	94	437	637	05/07/2025	13:25	LB135699
	Cadmium	1070	972	110	826	1120	05/07/2025	13:25	LB135699
	Chromium	586	542	108	460	624	05/07/2025	13:25	LB135699
	Lead	55.5	49.0	113	37	61	05/07/2025	13:25	LB135699
	Selenium	41.2	46.0	90	26	66	05/07/2025	13:25	LB135699
	Silver	197	201	98	170	232	05/07/2025	13:25	LB135699

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1956

contract: CAMP02 **lab code:** CHEM **case no.:** Q1956 **sas no.:** Q1956

matrix: Water **sample id:** Q1960-03 **client id:** 72-11933MS

Percent Solids for Sample: NA **Spiked ID:** Q1960-03MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3970		100	U	4000	99		P
Barium	ug/L	75 - 125	2160		1320		1000	84		P
Cadmium	ug/L	75 - 125	998		5.41	J	1000	99		P
Chromium	ug/L	75 - 125	1950		50.0	U	2000	98		P
Lead	ug/L	75 - 125	5290		601		5000	94		P
Mercury	ug/L	75 - 125	41.3		2.00	U	40.0	103		CV
Selenium	ug/L	75 - 125	9840		100	U	10000	98		P
Silver	ug/L	75 - 125	364		50.0	U	380	96		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: CDM Smith **level:** low **sdg no.:** Q1956

contract: CAMP02 **lab code:** CHEM **case no.:** Q1956 **sas no.:** Q1956

matrix: Water **sample id:** Q1960-03 **client id:** 72-11933MSD

Percent Solids for Sample: NA **Spiked ID:** Q1960-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	3820		100	U	4000	96		P
Barium	ug/L	75 - 125	2150		1320		1000	83		P
Cadmium	ug/L	75 - 125	957		5.41	J	1000	95		P
Chromium	ug/L	75 - 125	1910		50.0	U	2000	96		P
Lead	ug/L	75 - 125	5090		601		5000	90		P
Mercury	ug/L	75 - 125	38.1		2.00	U	40.0	95		CV
Selenium	ug/L	75 - 125	9430		100	U	10000	94		P
Silver	ug/L	75 - 125	358		50.0	U	380	94		P

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Metals
- 5b -

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Water **Sample ID:** Q1960-03 **Client ID:** 72-11933DUP

Percent Solids for Sample: NA **Duplicate ID** Q1960-03DUP **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	1320		1140		15		P
Cadmium	ug/L	20	5.41	J	4.13	J	27		P
Chromium	ug/L	20	50.0	U	50.0	U			P
Lead	ug/L	20	601		535		12		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

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: CDM Smith **Level:** LOW **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Matrix: Water **Sample ID:** Q1960-03MS **Client ID:** 72-11933MSD

Percent Solids for Sample: NA **Duplicate ID** Q1960-03MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	3970		3820		4		P
Barium	ug/L	20	2160		2150		0		P
Cadmium	ug/L	20	998		957		4		P
Chromium	ug/L	20	1950		1910		2		P
Lead	ug/L	20	5290		5090		4		P
Mercury	ug/L	20	41.3		38.1		8		CV
Selenium	ug/L	20	9840		9430		4		P
Silver	ug/L	20	364		358		2		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167882BS							
Arsenic	ug/L	4000	3680		92	80 - 120	P
Barium	ug/L	1000	828		83	80 - 120	P
Cadmium	ug/L	1000	940		94	80 - 120	P
Chromium	ug/L	2000	1900		95	80 - 120	P
Lead	ug/L	5000	4630		93	80 - 120	P
Selenium	ug/L	10000	9090		91	80 - 120	P
Silver	ug/L	380	349		92	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB167883BS							
Mercury	ug/L	4.0	4.14		104	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

72-11933L

Lab Name: Chemtech Consulting Group **Contract:** CAMP02

Lab Code: CHEM **Lb No.:** lb135699 **Lab Sample ID :** Q1960-03L **SDG No.:** Q1956

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	1320		1160	J	12		P
Cadmium	5.41	J	150	U	100.0		P
Chromium	50.0	U	250	U			P
Lead	601		614		2		P
Mercury	2.00	U	10.0	U			CV
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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

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ICP INTERELEMENT CORRECTION FACTORS

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Case No.:** Q1956 **SAS No.:** Q1956

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

METAL PREPARATION & ANALYICAL SUMMARY

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q1956 **SAS No.:** Q1956

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167882**						
PB167851TB	PB167851TB	MB	WATER	05/06/2025	5.0	25.0	
PB167882BL	PB167882BL	MB	WATER	05/06/2025	5.0	25.0	
PB167882BS	PB167882BS	LCS	WATER	05/06/2025	5.0	25.0	
Q1956-05	COMP1	SAM	WATER	05/06/2025	5.0	25.0	
Q1960-03DUP	72-11933DUP	DUP	WATER	05/06/2025	5.0	25.0	
Q1960-03MS	72-11933MS	MS	WATER	05/06/2025	5.0	25.0	
Q1960-03MSD	72-11933MSD	MSD	WATER	05/06/2025	5.0	25.0	

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SAMPLE PREPARATION SUMMARY

Client: CDM Smith **SDG No.:** Q1956

Contract: CAMP02 **Lab Code:** CHEM **Method:**

Case No.: Q1956 **SAS No.:** Q1956

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB167883**						
PB167851TB	PB167851TB	MB	WATER	05/06/2025	3.0	30.0	
PB167883BL	PB167883BL	MB	WATER	05/06/2025	30.0	30.0	
PB167883BS	PB167883BS	LCS	WATER	05/06/2025	30.0	30.0	
Q1956-05	COMP1	SAM	WATER	05/06/2025	3.0	30.0	
Q1960-03DUP	72-11933DUP	DUP	WATER	05/06/2025	3.0	30.0	
Q1960-03MS	72-11933MS	MS	WATER	05/06/2025	3.0	30.0	
Q1960-03MSD	72-11933MSD	MSD	WATER	05/06/2025	3.0	30.0	

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q1956 **Sas no.:** Q1956 **Sdg no.:** Q1956

Instrument id number: **Method:** **Run number:** LB135690

Start date: 05/07/2025 **End date:** 05/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0905	HG
S0.2	S0.2	1	0907	HG
S2.5	S2.5	1	0910	HG
S5	S5	1	0915	HG
S7.5	S7.5	1	0917	HG
S10	S10	1	0919	HG
ICV01	ICV01	1	0922	HG
ICB01	ICB01	1	0925	HG
CCV86	CCV86	1	0927	HG
CCB86	CCB86	1	0929	HG
CRA	CRA	1	0931	HG
PB167883BS	PB167883BS	1	0946	HG
Q1956-05	COMP1	1	0955	HG
CCV87	CCV87	1	1000	HG
CCB87	CCB87	1	1002	HG
Q1960-03DUP	72-11933DUP	1	1006	HG
Q1960-03MS	72-11933MS	1	1009	HG
Q1960-03MSD	72-11933MSD	1	1011	HG
PB167851TB	PB167851TB	1	1013	HG
PB167883BL	PB167883BL	1	1016	HG
Q1960-03L	72-11933L	5	1018	HG
CCV88	CCV88	1	1022	HG
CCB88	CCB88	1	1025	HG

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ANALYSIS RUN LOG

Client: CDM Smith **Contract:** CAMP02

Lab code: CHEM **Case no.:** Q1956 **Sas no.:** Q1956 **Sdg no.:** Q1956

Instrument id number: **Method:** **Run number:** LB135699

Start date: 05/07/2025 **End date:** 05/07/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1234	Ag,As,Ba,Cd,Cr,Pb,Se
S1	S1	1	1238	Ag,As,Ba,Cd,Cr,Pb,Se
S2	S2	1	1243	Ag,As,Ba,Cd,Cr,Pb,Se
S3	S3	1	1247	Ag,As,Ba,Cd,Cr,Pb,Se
S4	S4	1	1251	Ag,As,Ba,Cd,Cr,Pb,Se
S5	S5	1	1255	Ag,As,Ba,Cd,Cr,Pb,Se
ICV01	ICV01	1	1259	Ag,As,Ba,Cd,Cr,Pb,Se
LLICV01	LLICV01	1	1305	Ag,As,Ba,Cd,Cr,Pb,Se
ICB01	ICB01	1	1309	Ag,As,Ba,Cd,Cr,Pb,Se
CRI01	CRI01	1	1316	Ag,As,Ba,Cd,Cr,Pb,Se
ICSA01	ICSA01	1	1321	Ag,As,Ba,Cd,Cr,Pb,Se
ICSAB01	ICSAB01	1	1325	Ag,As,Ba,Cd,Cr,Pb,Se
CCV01	CCV01	1	1339	Ag,As,Ba,Cd,Cr,Pb,Se
CCB01	CCB01	1	1343	Ag,As,Ba,Cd,Cr,Pb,Se
PB167882BL	PB167882BL	1	1347	Ag,As,Ba,Cd,Cr,Pb,Se
PB167882BS	PB167882BS	1	1358	Ag,As,Ba,Cd,Cr,Pb,Se
PB167851TB	PB167851TB	1	1426	Ag,As,Ba,Cd,Cr,Pb,Se
CCV02	CCV02	1	1435	Ag,As,Ba,Cd,Cr,Pb,Se
CCB02	CCB02	1	1439	Ag,As,Ba,Cd,Cr,Pb,Se
Q1956-05	COMP1	1	1453	Ag,As,Ba,Cd,Cr,Pb,Se
Q1960-03DUP	72-11933DUP	1	1506	Ag,As,Ba,Cd,Cr,Pb,Se
Q1960-03L	72-11933L	5	1510	Ag,As,Ba,Cd,Cr,Pb,Se
Q1960-03MS	72-11933MS	1	1515	Ag,As,Ba,Cd,Cr,Pb,Se
Q1960-03MSD	72-11933MSD	1	1519	Ag,As,Ba,Cd,Cr,Pb,Se
CCV03	CCV03	1	1523	Ag,As,Ba,Cd,Cr,Pb,Se
CCB03	CCB03	1	1527	Ag,As,Ba,Cd,Cr,Pb,Se
CCV04	CCV04	1	1605	Ag,As,Ba,Cd,Cr,Pb,Se
CCB04	CCB04	1	1609	Ag,As,Ba,Cd,Cr,Pb,Se
CCV05	CCV05	1	1647	Ag,As,Ba,Cd,Cr,Pb,Se
CCB05	CCB05	1	1652	Ag,As,Ba,Cd,Cr,Pb,Se

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LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-05	**COMP1**	**SOIL**			**05/02/25 13:30**			**05/02/25**
			Corrosivity	9045D			05/05/25 15:20	
			Ignitability	1030			05/05/25 13:50	
			Reactive Cyanide	9012B		05/07/25	05/07/25 14:07	
			Reactive Sulfide	9034		05/07/25	05/07/25 12:06	

SAMPLE DATA

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25 13:30
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	COMP1	SDG No.:	Q1956
Lab Sample ID:	Q1956-05	Matrix:	SOIL
		% Solid:	100

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Corrosivity	7.52	H	1	0	0	pH		05/05/25 15:20	9045D
Ignitability	NO		1	0	0	oC		05/05/25 13:50	1030
Reactive Cyanide	0.011	J	1	0.0084	0.050	mg/Kg	05/07/25 09:00	05/07/25 14:07	9012B
Reactive Sulfide	1.59	J	1	0.20	10.0	mg/Kg	05/07/25 09:00	05/07/25 12:06	9034

Comments: pH result reported at temperature 21.2 °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

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Initial and Continuing Calibration Verification

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **RunNo.:** LB135675

Analyte		Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID:	ICV						
Corrosivity		pH	7.01	7	100	90-110	05/05/2025
Sample ID:	CCV1						
Corrosivity		pH	2.01	2.00	101	90-110	05/05/2025
Sample ID:	CCV2						
Corrosivity		pH	12.02	12.00	100	90-110	05/05/2025

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Initial and Continuing Calibration Verification

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **RunNo.:** LB135696

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Reactive Cyanide	mg/L	0.093	0.099	94	85-115	05/07/2025
Sample ID: CCV1						
Reactive Cyanide	mg/L	0.25	0.25	100	90-110	05/07/2025
Sample ID: CCV2						
Reactive Cyanide	mg/L	0.24	0.25	96	90-110	05/07/2025

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Initial and Continuing Calibration Blank Summary

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **RunNo.:** LB135696

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Reactive Cyanide	mg/L	0.0016	0.0025	J	0.00096	0.005	05/07/2025
Sample ID: CCB1							
Reactive Cyanide	mg/L	0.00098	0.0025	J	0.00096	0.005	05/07/2025
Sample ID: CCB2							
Reactive Cyanide	mg/L	0.0011	0.0025	J	0.00096	0.005	05/07/2025

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Preparation Blank Summary

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: PB167874BL							
Reactive Cyanide	mg/Kg	< 0.0250	0.0250	U	0.0084	0.05	05/07/2025
Sample ID: PB167881BL							
Reactive Sulfide	mg/Kg	< 5.0000	5.0000	U	0.201	10	05/07/2025

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Duplicate Sample Summary

Client: CDM Smith
Project: Bergen Point Fueling System
Client ID: MH-PDUP
SDG No.: Q1956
Sample ID: Q1947-01
Percent Solids for Spike Sample: 79.5

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		05/05/2025

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Duplicate Sample Summary

Client: CDM Smith
Project: Bergen Point Fueling System
Client ID: COMP1DUP
SDG No.: Q1956
Sample ID: Q1956-05
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	7.52		7.53		1	0.13		05/05/2025
Reactive Cyanide	mg/Kg	+/-20	0.011	J	0.013	J	1	17		05/07/2025
Reactive Sulfide	mg/Kg	+/-20	1.59	J	1.58	J	1	0.63		05/07/2025