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**
			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

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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:	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

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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:	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:

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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
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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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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-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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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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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:	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:

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:	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:

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:	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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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	

Alliance TECHNICAL GROUP
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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	