Alliance TECHNICAL GROUP

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**
			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
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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:	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:

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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:

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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:

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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

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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

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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

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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:

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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:

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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):** 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	