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**
			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
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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)
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

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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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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

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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)
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,
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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
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

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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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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

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)
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

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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)
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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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

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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
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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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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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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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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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.