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

LAB CHRONICLE

OrderID:	Q2008	**OrderDate:**	5/9/2025 3:21:23 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger Site Princeton NJ 2025
Contact:	Mary I. Murphy	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2008-01	**IDW-AQ-DRUM-633-05092025**	**Water**			**05/09/25**			**05/09/25**
			SVOC-TCL BNA -20	8270E		05/12/25	05/13/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**IDW-AQ-DRUM-633-05092025**							
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Butylbenzylphthalate		4.100	J	2.1	5.3	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Bis(2-ethylhexyl)phthalate		5.500		1.7	5.3	ug/L
		Total Svoc :				**9.60**		
Q2008-01	IDW-AQ-DRUM-633-05 WATER	.beta.-Acetylacrylic acid	*	9.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	1H-Pyrazole-3,4-diamine, 1,5-dim	*	19.100	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2,5-Hexanedione	*	190.000	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2-Propanone, 1,1,3-trichloro-	*	57.400	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2-Propanone, 1,1-dichloro-	*	67.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2-Propanone, 1,3-dichloro-	*	1,100.000	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	2-Propanone, 1-chloro-	*	520.000	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Acetic acid, chloro-, ethyl ester	*	43.400	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Furazan, 3,4-bis(chloroacetylamin	*	8.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	n-Hexadecanoic acid	*	7.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Octadecanoic acid	*	20.100	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown10.292	*	11.100	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown3.675	*	16.800	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown6.340	*	16.200	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown6.798	*	14.300	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown7.722	*	120.000	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown8.322	*	23.100	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	unknown9.163	*	13.200	J	0	0	ug/L
Q2008-01	IDW-AQ-DRUM-633-05 WATER	Butane, 2-methoxy-2-methyl-	*	87.800	J	0	0	ug/L
		Total Tics :				**2,346.70**		
		Total Concentration:				**2,356.30**		

SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8270E	% 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
BF142344.D	1	05/12/25 08:40	05/13/25 15:17	PB167951

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8270E	% 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
BF142344.D	1	05/12/25 08:40	05/13/25 15:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.80	U	0.80	5.30	ug/L
606-20-2	2,6-Dinitrotoluene	0.98	U	0.98	5.30	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.30	ug/L
83-32-9	Acenaphthene	0.59	U	0.59	5.30	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.6	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	10.6	ug/L
132-64-9	Dibenzofuran	0.65	U	0.65	5.30	ug/L
121-14-2	2,4-Dinitrotoluene	1.30	U	1.30	5.30	ug/L
84-66-2	Diethylphthalate	0.73	U	0.73	5.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.72	U	0.72	5.30	ug/L
86-73-7	Fluorene	0.67	U	0.67	5.30	ug/L
100-01-6	4-Nitroaniline	1.60	U	1.60	5.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.6	ug/L
86-30-6	n-Nitrosodiphenylamine	0.62	U	0.62	5.30	ug/L
101-55-3	4-Bromophenyl-phenylether	0.43	U	0.43	5.30	ug/L
118-74-1	Hexachlorobenzene	0.55	U	0.55	5.30	ug/L
1912-24-9	Atrazine	1.10	U	1.10	5.30	ug/L
87-86-5	Pentachlorophenol	1.70	U	1.70	10.6	ug/L
85-01-8	Phenanthrene	0.53	U	0.53	5.30	ug/L
120-12-7	Anthracene	0.65	U	0.65	5.30	ug/L
86-74-8	Carbazole	0.77	U	0.77	5.30	ug/L
84-74-2	Di-n-butylphthalate	1.30	U	1.30	5.30	ug/L
206-44-0	Fluoranthene	0.87	U	0.87	5.30	ug/L
129-00-0	Pyrene	0.53	U	0.53	5.30	ug/L
85-68-7	Butylbenzylphthalate	4.10	J	2.10	5.30	ug/L
91-94-1	3,3-Dichlorobenzidine	0.99	U	0.99	10.6	ug/L
56-55-3	Benzo(a)anthracene	0.48	U	0.48	5.30	ug/L
218-01-9	Chrysene	0.47	U	0.47	5.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	5.50		1.70	5.30	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.6	ug/L
205-99-2	Benzo(b)fluoranthene	0.52	U	0.52	5.30	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8270E	% 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
BF142344.D	1	05/12/25 08:40	05/13/25 15:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.51	U	0.51	5.30	ug/L
50-32-8	Benzo(a)pyrene	0.59	U	0.59	5.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.63	U	0.63	5.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.71	U	0.71	5.30	ug/L
191-24-2	Benzo(g,h,i)perylene	0.73	U	0.73	5.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.55	U	0.55	5.30	ug/L
123-91-1	1,4-Dioxane	1.10	U	1.10	5.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.77	U	0.77	5.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	19.6	*	15 (10) - 110 (139)	13%	SPK: 150
13127-88-3	Phenol-d6	13.2	*	15 (10) - 110 (134)	9%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.6		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	65.8		30 (52) - 130 (132)	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	83.9		15 (44) - 110 (137)	56%	SPK: 150
1718-51-0	Terphenyl-d14	71.0		30 (48) - 130 (125)	71%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	241000	6.91			
1146-65-2	Naphthalene-d8	927000	8.187			
15067-26-2	Acenaphthene-d10	505000	9.939			
1517-22-2	Phenanthrene-d10	921000	11.427			
1719-03-5	Chrysene-d12	603000	14.063			
1520-96-3	Perylene-d12	431000	15.551			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	87.8	J		2.23	ug/L
000078-95-5	2-Propanone, 1-chloro-	520	J		2.44	ug/L
000513-88-2	2-Propanone, 1,1-dichloro-	67.8	J		3.39	ug/L
	unknown3.675	16.8	J		3.67	ug/L
000534-07-6	2-Propanone, 1,3-dichloro-	1100	J		5.80	ug/L
076368-87-1	1H-Pyrazole-3,4-diamine, 1,5-dimet	19.1	J		6.08	ug/L
000110-13-4	2,5-Hexanedione	190	J		6.13	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/09/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	IDW-AQ-DRUM-633-05092025	SDG No.:	Q2008
Lab Sample ID:	Q2008-01	Matrix:	Water
Analytical Method:	8270E	% 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
BF142344.D	1	05/12/25 08:40	05/13/25 15:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
	unknown6.340	16.2	J		6.34	ug/L
000921-03-9	2-Propanone, 1,1,3-trichloro-	57.4	J		6.47	ug/L
	unknown6.798	14.3	J		6.80	ug/L
	unknown7.722	120	J		7.72	ug/L
004743-82-2	.beta.-Acetylacrylic acid	9.80	J		8.24	ug/L
	unknown8.322	23.1	J		8.32	ug/L
000105-39-5	Acetic acid, chloro-, ethyl ester	43.4	J		9.03	ug/L
	unknown9.163	13.2	J		9.16	ug/L
124460-62-4	Furazan, 3,4-bis(chloroacetylamino	8.80	J		9.47	ug/L
	unknown10.292	11.1	J		10.3	ug/L
000057-10-3	n-Hexadecanoic acid	7.80	J		12.0	ug/L
000057-11-4	Octadecanoic acid	20.1	J		12.7	ug/L

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.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167951BL	PB167951BL	2-Fluorophenol	150	123	82		15 (10)	110 (139)
		Phenol-d6	150	119	79		15 (10)	110 (134)
		Nitrobenzene-d5	100	82.0	82		30 (49)	130 (133)
		2-Fluorobiphenyl	100	70.8	71		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	137	92		15 (44)	110 (137)
		Terphenyl-d14	100	64.9	65		30 (48)	130 (125)
PB167951BS	PB167951BS	2-Fluorophenol	150	121	80		15 (10)	110 (139)
		Phenol-d6	150	122	81		15 (10)	110 (134)
		Nitrobenzene-d5	100	82.7	83		30 (49)	130 (133)
		2-Fluorobiphenyl	100	72.3	72		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	144	96		15 (44)	110 (137)
		Terphenyl-d14	100	77.8	78		30 (48)	130 (125)
Q1993-02MS	MW-3-20250508MS	2-Fluorophenol	150	63.4	42		15 (10)	110 (139)
		Phenol-d6	150	41.2	27		15 (10)	110 (134)
		Nitrobenzene-d5	100	86.2	86		30 (49)	130 (133)
		2-Fluorobiphenyl	100	74.5	74		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	139	93		15 (44)	110 (137)
		Terphenyl-d14	100	69.6	70		30 (48)	130 (125)
Q1993-03MSD	MW-3-20250508MSD	2-Fluorophenol	150	67.3	45		15 (10)	110 (139)
		Phenol-d6	150	44.1	29		15 (10)	110 (134)
		Nitrobenzene-d5	100	91.3	91		30 (49)	130 (133)
		2-Fluorobiphenyl	100	77.7	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	149	99		15 (44)	110 (137)
		Terphenyl-d14	100	72.6	73		30 (48)	130 (125)
Q2008-01	IDW-AQ-DRUM-633-05092025	2-Fluorophenol	150	19.6	13	*	15 (10)	110 (139)
		Phenol-d6	150	13.2	9	*	15 (10)	110 (134)
		Nitrobenzene-d5	100	89.6	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	65.8	66		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	83.9	56		15 (44)	110 (137)
		Terphenyl-d14	100	71.0	71		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1993-02MS		**Client Sample ID: MW-3-20250508MS**						**DataFile: BF142341.D**			
Benzaldehyde	50	0	36.1	ug/L	72				20 (10)	160 (137)	
Phenol	50	0	15.7	ug/L	31				20 (10)	160 (130)	
bis(2-Chloroethyl)ether	50	0	35.0	ug/L	70				70 (29)	130 (141)	
2-Chlorophenol	50	0	37.4	ug/L	75				70 (23)	130 (127)	
2-Methylphenol	50	0	31.8	ug/L	64	*			70 (60)	130 (131)	
2,2-oxybis(1-Chloropropane)	50	0	39.4	ug/L	79				70 (36)	130 (141)	
Acetophenone	50	0	43.2	ug/L	86				70 (31)	130 (164)	
3+4-Methylphenols	50	0	28.6	ug/L	57				20 (54)	160 (136)	
N-Nitroso-di-n-propylamine	50	0	42.9	ug/L	86				70 (36)	130 (147)	
Hexachloroethane	50	0	34.3	ug/L	69				20 (19)	160 (146)	
Nitrobenzene	50	0	46.3	ug/L	93				70 (62)	130 (112)	
Isophorone	50	0	44.7	ug/L	89				70 (39)	130 (146)	
2-Nitrophenol	50	0	49.6	ug/L	99				70 (30)	130 (148)	
2,4-Dimethylphenol	50	0	42.1	ug/L	84				70 (17)	130 (143)	
bis(2-Chloroethoxy)methane	50	0	43.8	ug/L	88				70 (39)	130 (143)	
2,4-Dichlorophenol	50	0	44.5	ug/L	89				70 (22)	130 (146)	
Naphthalene	50	0	40.6	ug/L	81				70 (17)	130 (157)	
4-Chloroaniline	50	0	14.7	ug/L	29	*			70 (10)	130 (95)	
Hexachlorobutadiene	50	0	38.4	ug/L	77				70 (52)	130 (125)	
Caprolactam	50	0	9.30	ug/L	19	*			20 (10)	160 (130)	
4-Chloro-3-methylphenol	50	0	40.8	ug/L	82				70 (17)	130 (148)	
2-Methylnaphthalene	50	0	42.6	ug/L	85				70 (38)	130 (146)	
Hexachlorocyclopentadiene	100	0	77.1	ug/L	77				20 (20)	160 (153)	
2,4,6-Trichlorophenol	50	0	48.7	ug/L	97				70 (78)	130 (112)	
2,4,5-Trichlorophenol	50	0	46.2	ug/L	92				70 (71)	130 (111)	
1,1-Biphenyl	50	0	43.3	ug/L	87				70 (38)	130 (154)	
2-Chloronaphthalene	50	0	42.8	ug/L	86				70 (41)	130 (145)	
2-Nitroaniline	50	0	52.4	ug/L	105				70 (39)	130 (151)	
Dimethylphthalate	50	0	46.5	ug/L	93				70 (42)	130 (147)	
Acenaphthylene	50	0	43.0	ug/L	86				70 (40)	130 (141)	
2,6-Dinitrotoluene	50	0	53.9	ug/L	108				70 (43)	130 (148)	
3-Nitroaniline	50	0	25.2	ug/L	50	*			70 (10)	130 (111)	
Acenaphthene	50	0	47.5	ug/L	95				70 (37)	130 (146)	
2,4-Dinitrophenol	100	0	98.5	ug/L	99				20 (14)	160 (167)	
4-Nitrophenol	100	0	37.0	ug/L	37				20 (10)	160 (130)	
Dibenzofuran	50	0	42.9	ug/L	86				70 (41)	130 (145)	
2,4-Dinitrotoluene	50	0	56.1	ug/L	112				70 (74)	130 (137)	
Diethylphthalate	50	41.1	70.9	ug/L	60	*			70 (41)	130 (148)	
4-Chlorophenyl-phenylether	50	0	43.6	ug/L	87				70 (38)	130 (149)	
Fluorene	50	0	42.6	ug/L	85				70 (39)	130 (144)	
4-Nitroaniline	50	0	51.9	ug/L	104				70 (27)	130 (138)	
4,6-Dinitro-2-methylphenol	50	0	53.7	ug/L	107				70 (32)	130 (175)	
N-Nitrosodiphenylamine	50	0	47.6	ug/L	95				70 (40)	130 (150)	
4-Bromophenyl-phenylether	50	0	48.4	ug/L	97				70 (42)	130 (151)	
Hexachlorobenzene	50	0	47.7	ug/L	95				70 (72)	130 (115)	
Atrazine	50	0	48.2	ug/L	96				70 (20)	130 (162)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	100	0	100	ug/L	100				20 (52)	160 (162)	
Phenanthrene	50	0	44.0	ug/L	88				70 (40)	130 (147)	
Anthracene	50	0	43.9	ug/L	88				70 (41)	130 (146)	
Carbazole	50	0	41.1	ug/L	82				70 (37)	130 (154)	
Di-n-butylphthalate	50	0	52.0	ug/L	104				70 (40)	130 (151)	
Fluoranthene	50	0	39.5	ug/L	79				70 (42)	130 (146)	
Pyrene	50	0	40.2	ug/L	80				70 (41)	130 (149)	
Butylbenzylphthalate	50	0	54.8	ug/L	110				70 (39)	130 (155)	
3,3-Dichlorobenzidine	50	0	40.5	ug/L	81				70 (10)	130 (114)	
Benzo(a)anthracene	50	0	46.2	ug/L	92				70 (41)	130 (147)	
Chrysene	50	0	45.3	ug/L	91				70 (44)	130 (144)	
bis(2-Ethylhexyl)phthalate	50	8.70	59.5	ug/L	102				70 (33)	130 (160)	
Di-n-octyl phthalate	50	0	52.5	ug/L	105				70 (36)	130 (158)	
Benzo(b)fluoranthene	50	0	46.9	ug/L	94				70 (40)	130 (150)	
Benzo(k)fluoranthene	50	0	46.3	ug/L	93				70 (40)	130 (147)	
Benzo(a)pyrene	50	0	47.6	ug/L	95				70 (42)	130 (147)	
Indeno(1,2,3-cd)pyrene	50	0	35.7	ug/L	71				70 (30)	130 (166)	
Dibenz(a,h)anthracene	50	0	36.2	ug/L	72				70 (23)	130 (172)	
Benzo(g,h,i)perylene	50	0	31.9	ug/L	64	*			70 (27)	130 (167)	
1,2,4,5-Tetrachlorobenzene	50	0	42.5	ug/L	85				70 (89)	130 (102)	
1,4-Dioxane	50	0	17.9	ug/L	36				20 (38)	160 (130)	
2,3,4,6-Tetrachlorophenol	50	0	49.1	ug/L	98				70 (91)	130 (111)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q1993-03MSD		**Client Sample ID: MW-3-20250508MSD**						**DataFile: BF142342.D**			
Benzaldehyde	50	0	38.2	ug/L	76		5		20 (10)	160 (137)	20 (20)
Phenol	50	0	16.6	ug/L	33		6		20 (10)	160 (130)	20 (20)
bis(2-Chloroethyl)ether	50	0	37.1	ug/L	74		6		70 (29)	130 (141)	20 (20)
2-Chlorophenol	50	0	39.6	ug/L	79		5		70 (23)	130 (127)	20 (20)
2-Methylphenol	50	0	34.2	ug/L	68	*	6		70 (60)	130 (131)	20 (20)
2,2-oxybis(1-Chloropropane)	50	0	41.4	ug/L	83		5		70 (36)	130 (141)	20 (20)
Acetophenone	50	0	45.4	ug/L	91		6		70 (31)	130 (164)	20 (20)
3+4-Methylphenols	50	0	30.3	ug/L	61		7		20 (54)	160 (136)	20 (20)
N-Nitroso-di-n-propylamine	50	0	45.2	ug/L	90		5		70 (36)	130 (147)	20 (20)
Hexachloroethane	50	0	35.6	ug/L	71		3		20 (19)	160 (146)	20 (20)
Nitrobenzene	50	0	49.8	ug/L	100		7		70 (62)	130 (112)	20 (20)
Isophorone	50	0	47.0	ug/L	94		5		70 (39)	130 (146)	20 (20)
2-Nitrophenol	50	0	52.7	ug/L	105		6		70 (30)	130 (148)	20 (20)
2,4-Dimethylphenol	50	0	44.5	ug/L	89		6		70 (17)	130 (143)	20 (20)
bis(2-Chloroethoxy)methane	50	0	46.1	ug/L	92		4		70 (39)	130 (143)	20 (20)
2,4-Dichlorophenol	50	0	46.8	ug/L	94		5		70 (22)	130 (146)	20 (20)
Naphthalene	50	0	42.7	ug/L	85		5		70 (17)	130 (157)	20 (20)
4-Chloroaniline	50	0	15.0	ug/L	30	*	3		70 (10)	130 (95)	20 (20)
Hexachlorobutadiene	50	0	40.1	ug/L	80		4		70 (52)	130 (125)	20 (20)
Caprolactam	50	0	10.5	ug/L	21		10		20 (10)	160 (130)	20 (20)
4-Chloro-3-methylphenol	50	0	43.4	ug/L	87		6		70 (17)	130 (148)	20 (20)
2-Methylnaphthalene	50	0	44.2	ug/L	88		3		70 (38)	130 (146)	20 (20)
Hexachlorocyclopentadiene	100	0	80.5	ug/L	81		5		20 (20)	160 (153)	20 (20)
2,4,6-Trichlorophenol	50	0	51.7	ug/L	103		6		70 (78)	130 (112)	20 (20)
2,4,5-Trichlorophenol	50	0	50.0	ug/L	100		8		70 (71)	130 (111)	20 (20)
1,1-Biphenyl	50	0	45.6	ug/L	91		4		70 (38)	130 (154)	20 (20)
2-Chloronaphthalene	50	0	45.5	ug/L	91		6		70 (41)	130 (145)	20 (20)
2-Nitroaniline	50	0	56.9	ug/L	114		8		70 (39)	130 (151)	20 (20)
Dimethylphthalate	50	0	49.3	ug/L	99		6		70 (42)	130 (147)	20 (20)
Acenaphthylene	50	0	45.5	ug/L	91		6		70 (40)	130 (141)	20 (20)
2,6-Dinitrotoluene	50	0	57.7	ug/L	115		6		70 (43)	130 (148)	20 (20)
3-Nitroaniline	50	0	25.9	ug/L	52	*	4		70 (10)	130 (111)	20 (20)
Acenaphthene	50	0	50.7	ug/L	101		6		70 (37)	130 (146)	20 (20)
2,4-Dinitrophenol	100	0	110	ug/L	110		11		20 (14)	160 (167)	20 (20)
4-Nitrophenol	100	0	40.3	ug/L	40		8		20 (10)	160 (130)	20 (20)
Dibenzofuran	50	0	45.3	ug/L	91		6		70 (41)	130 (145)	20 (20)
2,4-Dinitrotoluene	50	0	60.6	ug/L	121		8		70 (74)	130 (137)	20 (20)
Diethylphthalate	50	41.1	75.2	ug/L	68	*	13		70 (41)	130 (148)	20 (20)
4-Chlorophenyl-phenylether	50	0	46.2	ug/L	92		6		70 (38)	130 (149)	20 (20)
Fluorene	50	0	45.2	ug/L	90		6		70 (39)	130 (144)	20 (20)
4-Nitroaniline	50	0	56.9	ug/L	114		9		70 (27)	130 (138)	20 (20)
4,6-Dinitro-2-methylphenol	50	0	58.3	ug/L	117		9		70 (32)	130 (175)	20 (20)
N-Nitrosodiphenylamine	50	0	49.8	ug/L	100		5		70 (40)	130 (150)	20 (20)
4-Bromophenyl-phenylether	50	0	51.1	ug/L	102		5		70 (42)	130 (151)	20 (20)
Hexachlorobenzene	50	0	50.1	ug/L	100		5		70 (72)	130 (115)	20 (20)
Atrazine	50	0	51.5	ug/L	103		7		70 (20)	130 (162)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	100	0	110	ug/L	110		10		20 (52)	160 (162)	20 (20)
Phenanthrene	50	0	46.5	ug/L	93		6		70 (40)	130 (147)	20 (20)
Anthracene	50	0	45.9	ug/L	92		4		70 (41)	130 (146)	20 (20)
Carbazole	50	0	43.7	ug/L	87		6		70 (37)	130 (154)	20 (20)
Di-n-butylphthalate	50	0	54.5	ug/L	109		5		70 (40)	130 (151)	20 (20)
Fluoranthene	50	0	41.9	ug/L	84		6		70 (42)	130 (146)	20 (20)
Pyrene	50	0	42.7	ug/L	85		6		70 (41)	130 (149)	20 (20)
Butylbenzylphthalate	50	0	60.3	ug/L	121		10		70 (39)	130 (155)	20 (20)
3,3-Dichlorobenzidine	50	0	42.7	ug/L	85		5		70 (10)	130 (114)	20 (20)
Benzo(a)anthracene	50	0	48.4	ug/L	97		5		70 (41)	130 (147)	20 (20)
Chrysene	50	0	48.0	ug/L	96		5		70 (44)	130 (144)	20 (20)
bis(2-Ethylhexyl)phthalate	50	8.70	62.6	ug/L	108		6		70 (33)	130 (160)	20 (20)
Di-n-octyl phthalate	50	0	54.6	ug/L	109		4		70 (36)	130 (158)	20 (20)
Benzo(b)fluoranthene	50	0	48.4	ug/L	97		3		70 (40)	130 (150)	20 (20)
Benzo(k)fluoranthene	50	0	50.7	ug/L	101		8		70 (40)	130 (147)	20 (20)
Benzo(a)pyrene	50	0	50.8	ug/L	102		7		70 (42)	130 (147)	20 (20)
Indeno(1,2,3-cd)pyrene	50	0	37.1	ug/L	74		4		70 (30)	130 (166)	20 (20)
Dibenz(a,h)anthracene	50	0	37.4	ug/L	75		4		70 (23)	130 (172)	20 (20)
Benzo(g,h,i)perylene	50	0	33.0	ug/L	66	*	3		70 (27)	130 (167)	20 (20)
1,2,4,5-Tetrachlorobenzene	50	0	44.5	ug/L	89		5		70 (89)	130 (102)	20 (20)
1,4-Dioxane	50	0	19.4	ug/L	39		8		20 (38)	160 (130)	20 (20)
2,3,4,6-Tetrachlorophenol	50	0	51.3	ug/L	103		5		70 (91)	130 (111)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF142338.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167951BS	Benzaldehyde	50	22.9	ug/L	46				20 (10)	160 (162)	
	Phenol	50	46.1	ug/L	92				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	37.5	ug/L	75				70 (62)	130 (103)	
	2-Chlorophenol	50	45.0	ug/L	90				70 (70)	130 (117)	
	2-Methylphenol	50	44.7	ug/L	89				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	41.1	ug/L	82				70 (65)	130 (100)	
	Acetophenone	50	41.6	ug/L	83				70 (60)	130 (104)	
	3+4-Methylphenols	50	43.5	ug/L	87				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	42.2	ug/L	84				70 (57)	130 (107)	
	Hexachloroethane	50	42.8	ug/L	86				20 (76)	160 (118)	
	Nitrobenzene	50	46.1	ug/L	92				70 (58)	130 (106)	
	Isophorone	50	43.8	ug/L	88				70 (61)	130 (102)	
	2-Nitrophenol	50	47.0	ug/L	94				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	45.2	ug/L	90				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	42.8	ug/L	86				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	46.4	ug/L	93				70 (66)	130 (115)	
	Naphthalene	50	42.1	ug/L	84				70 (64)	130 (107)	
	4-Chloroaniline	50	12.7	ug/L	25		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	43.3	ug/L	87				70 (69)	130 (101)	
	Caprolactam	50	51.4	ug/L	103				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	46.6	ug/L	93				70 (65)	130 (114)	
	2-Methylnaphthalene	50	42.8	ug/L	86				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	89.0	ug/L	89				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	49.5	ug/L	99				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	46.5	ug/L	93				70 (70)	130 (106)	
	1,1-Biphenyl	50	41.4	ug/L	83				70 (72)	130 (98)	
	2-Chloronaphthalene	50	42.7	ug/L	85				70 (59)	130 (106)	
	2-Nitroaniline	50	50.3	ug/L	101				70 (73)	130 (114)	
	Dimethylphthalate	50	44.7	ug/L	89				70 (64)	130 (103)	
	Acenaphthylene	50	42.5	ug/L	85				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	52.6	ug/L	105				70 (64)	130 (110)	
	3-Nitroaniline	50	36.4	ug/L	73				70 (28)	130 (100)	
	Acenaphthene	50	46.5	ug/L	93				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	100	ug/L	100				20 (36)	160 (166)	
	4-Nitrophenol	100	110	ug/L	110				20 (45)	160 (147)	
	Dibenzofuran	50	42.4	ug/L	85				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	55.9	ug/L	112				70 (60)	130 (115)	
	Diethylphthalate	50	45.3	ug/L	91				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	43.1	ug/L	86				70 (61)	130 (104)	
	Fluorene	50	42.0	ug/L	84				70 (64)	130 (107)	
	4-Nitroaniline	50	61.2	ug/L	122				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	50.3	ug/L	101				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	43.5	ug/L	87				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	44.9	ug/L	90				70 (73)	130 (103)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2008

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270E **DataFile:** BF142338.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167951BS	Hexachlorobenzene	50	45.6	ug/L	91				70 (73)	130 (106)	
	Atrazine	50	50.3	ug/L	101				70 (76)	130 (120)	
	Pentachlorophenol	100	110	ug/L	110				20 (47)	160 (114)	
	Phenanthrene	50	43.0	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	43.1	ug/L	86				70 (65)	130 (110)	
	Carbazole	50	44.1	ug/L	88				70 (62)	130 (106)	
	Di-n-butylphthalate	50	48.4	ug/L	97				70 (64)	130 (106)	
	Fluoranthene	50	43.7	ug/L	87				70 (64)	130 (110)	
	Pyrene	50	45.2	ug/L	90				70 (71)	130 (103)	
	Butylbenzylphthalate	50	49.4	ug/L	99				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	40.4	ug/L	81				70 (43)	130 (108)	
	Benzo(a)anthracene	50	45.7	ug/L	91				70 (62)	130 (107)	
	Chrysene	50	45.0	ug/L	90				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	45.0	ug/L	90				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	43.5	ug/L	87				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	45.9	ug/L	92				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	48.3	ug/L	97				70 (77)	130 (105)	
	Benzo(a)pyrene	50	48.1	ug/L	96				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	46.3	ug/L	93				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	46.0	ug/L	92				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	46.0	ug/L	92				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	40.9	ug/L	82				70 (72)	130 (101)	
	1,4-Dioxane	50	32.6	ug/L	65				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	50.1	ug/L	100				70 (63)	130 (116)	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167951BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: BF142337.D Lab Sample ID: PB167951BL

Instrument ID: BNA_F Date Extracted: 05/12/2025

Matrix: (soil/water) Water Date Analyzed: 05/13/2025

Level: (low/med) LOW Time Analyzed: 11:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167951BS	PB167951BS	BF142338.D	05/13/2025
MW-3-20250508MS	Q1993-02MS	BF142341.D	05/13/2025
MW-3-20250508MSD	Q1993-03MSD	BF142342.D	05/13/2025
IDW-AQ-DRUM-633-05092025	Q2008-01	BF142344.D	05/13/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: BF142294.D DFTPP Injection Date: 05/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	25.8
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	34.9
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.2
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142295.D	05/05/2025	13:54
SSTDICC005	SSTDICC005	BF142296.D	05/05/2025	14:23
SSTDICC010	SSTDICC010	BF142297.D	05/05/2025	14:52
SSTDICC020	SSTDICC020	BF142298.D	05/05/2025	15:21
SSTDICCC040	SSTDICCC040	BF142299.D	05/05/2025	15:50
SSTDICC050	SSTDICC050	BF142300.D	05/05/2025	16:18
SSTDICC060	SSTDICC060	BF142301.D	05/05/2025	16:47
SSTDICC080	SSTDICC080	BF142302.D	05/05/2025	17:15

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q2008 SDG NO.: Q2008

Lab File ID: BF142335.D DFTPP Injection Date: 05/13/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.4
68	Less than 2.0% of mass 69	0.4 (1.9) 1
69	Mass 69 relative abundance	21.1
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	28.5
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	4.4
275	10.0 - 60.0% of mass 198	20.7
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	15.6
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	BF142336.D	05/13/2025	10:49
PB167951BL	PB167951BL	BF142337.D	05/13/2025	11:17
PB167951BS	PB167951BS	BF142338.D	05/13/2025	11:46
MW-3-20250508MS	Q1993-02MS	BF142341.D	05/13/2025	13:16
MW-3-20250508MSD	Q1993-03MSD	BF142342.D	05/13/2025	13:45
IDW-AQ-DRUM-633-05092025	Q2008-01	BF142344.D	05/13/2025	15:17

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

EPA Sample No.: SSTDICCC040 Date Analyzed: 05/05/2025

Lab File ID: BF142299.D Time Analyzed: 15:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	215157	6.904	842526	8.19	453823	9.95
	UPPER LIMIT	430314	7.404	1685050	8.687	907646	10.445
	LOWER LIMIT	107579	6.404	421263	7.687	226912	9.445
	EPA SAMPLE NO.						
01	MW-3-20250508MS	222671	6.90	844135	8.19	448767	9.95
02	MW-3-20250508MSD	221066	6.90	841600	8.19	447768	9.95
03	PB167951BL	233617	6.90	911574	8.19	504645	9.94
04	PB167951BS	241382	6.90	943250	8.19	511130	9.95
05	IDW-AQ-DRUM-633-05092025	241479	6.91	926949	8.19	504780	9.94

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.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

EPA Sample No.: SSTDICCC040 Date Analyzed: 05/05/2025

Lab File ID: BF142299.D Time Analyzed: 15:50

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	760936	11.433	448285	14.069	426732	15.563
	UPPER LIMIT	1521870	11.933	896570	14.569	853464	16.063
	LOWER LIMIT	380468	10.933	224143	13.569	213366	15.063
	EPA SAMPLE NO.						
01	MW-3-20250508MS	711096	11.43	400063	14.07	458773	15.56
02	MW-3-20250508MSD	724658	11.43	407587	14.07	453389	15.56
03	PB167951BL	917241	11.43	662807	14.07	462932	15.56
04	PB167951BS	874805	11.43	500567	14.07	474027	15.56
05	IDW-AQ-DRUM-633-05092025	920791	11.43	602587	14.06	431268	15.55

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.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/13/2025

Lab File ID: BF142336.D Time Analyzed: 10:49

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	199243	6.904	783419	8.19	422251	9.95
	UPPER LIMIT	398486	7.404	1566840	8.687	844502	10.445
	LOWER LIMIT	99621.5	6.404	391710	7.687	211126	9.445
	EPA SAMPLE NO.						
01	PB167951BL	233617	6.90	911574	8.19	504645	9.94
02	PB167951BS	241382	6.90	943250	8.19	511130	9.95
03	MW-3-20250508MS	222671	6.90	844135	8.19	448767	9.95
04	MW-3-20250508MSD	221066	6.90	841600	8.19	447768	9.95
05	IDW-AQ-DRUM-633-05092025	241479	6.91	926949	8.19	504780	9.94

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.: Q2008 SAS No.: Q2008 SDG NO.: Q2008

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/13/2025

Lab File ID: BF142336.D Time Analyzed: 10:49

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	732764	11.433	429049	14.074	422358	15.563
	UPPER LIMIT	1465530	11.933	858098	14.574	844716	16.063
	LOWER LIMIT	366382	10.933	214525	13.574	211179	15.063
	EPA SAMPLE NO.						
01	PB167951BL	917241	11.43	662807	14.07	462932	15.56
02	PB167951BS	874805	11.43	500567	14.07	474027	15.56
03	MW-3-20250508MS	711096	11.43	400063	14.07	458773	15.56
04	MW-3-20250508MSD	724658	11.43	407587	14.07	453389	15.56
05	IDW-AQ-DRUM-633-05092025	920791	11.43	602587	14.06	431268	15.55

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q2008
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% 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
BF142337.D	1	05/12/25 08:40	05/13/25 11:17	PB167951

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q2008
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% 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
BF142337.D	1	05/12/25 08:40	05/13/25 11:17	PB167951

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

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BL	SDG No.:	Q2008
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% 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
BF142337.D	1	05/12/25 08:40	05/13/25 11:17	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	123		15 (10) - 110 (139)	82%	SPK: 150
13127-88-3	Phenol-d6	119		15 (10) - 110 (134)	79%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.0		30 (49) - 130 (133)	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.8		30 (52) - 130 (132)	71%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		15 (44) - 110 (137)	92%	SPK: 150
1718-51-0	Terphenyl-d14	64.9		30 (48) - 130 (125)	65%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	234000	6.904			
1146-65-2	Naphthalene-d8	912000	8.186			
15067-26-2	Acenaphthene-d10	505000	9.939			
1517-22-2	Phenanthrene-d10	917000	11.427			
1719-03-5	Chrysene-d12	663000	14.068			
1520-96-3	Perylene-d12	463000	15.557			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.20	A		5.14	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.			Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025			Date Received:	
Client Sample ID:	PB167951BL			SDG No.:	Q2008
Lab Sample ID:	PB167951BL			Matrix:	Water
Analytical Method:	8270E			% 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
BF142337.D	1	05/12/25 08:40	05/13/25 11:17	PB167951

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:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q2008
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142338.D	1	05/12/25 08:40	05/13/25 11:46	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	22.9		3.90	10.0	ug/L
108-95-2	Phenol	46.1		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	37.5		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	45.0		0.58	5.00	ug/L
95-48-7	2-Methylphenol	44.7		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.1		1.30	5.00	ug/L
98-86-2	Acetophenone	41.6		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.5		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.2		1.40	2.50	ug/L
67-72-1	Hexachloroethane	42.8		0.65	5.00	ug/L
98-95-3	Nitrobenzene	46.1		0.76	5.00	ug/L
78-59-1	Isophorone	43.8		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	47.0		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	45.2		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.8		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.4		0.52	5.00	ug/L
91-20-3	Naphthalene	42.1		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	12.7		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.3		0.54	5.00	ug/L
105-60-2	Caprolactam	51.4		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	46.6		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.8		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	89.0	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	49.5		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.5		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	41.4		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.7		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	50.3		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	44.7		0.61	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q2008
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142338.D	1	05/12/25 08:40	05/13/25 11:46	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	42.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	52.6		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	36.4		1.10	5.00	ug/L
83-32-9	Acenaphthene	46.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	100	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	42.4		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	55.9		1.20	5.00	ug/L
84-66-2	Diethylphthalate	45.3		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.1		0.68	5.00	ug/L
86-73-7	Fluorene	42.0		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	61.2		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.3		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.5		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.9		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	45.6		0.52	5.00	ug/L
1912-24-9	Atrazine	50.3		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.0		0.50	5.00	ug/L
120-12-7	Anthracene	43.1		0.61	5.00	ug/L
86-74-8	Carbazole	44.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	48.4		1.20	5.00	ug/L
206-44-0	Fluoranthene	43.7		0.82	5.00	ug/L
129-00-0	Pyrene	45.2		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	49.4		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	40.4		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	45.7		0.45	5.00	ug/L
218-01-9	Chrysene	45.0		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.0		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.9		0.49	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q2008
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142338.D	1	05/12/25 08:40	05/13/25 11:46	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	48.3		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	48.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.3		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	46.0		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	40.9		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	32.6		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	121		15 (10) - 110 (139)	80%	SPK: 150
13127-88-3	Phenol-d6	122		15 (10) - 110 (134)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	82.7		30 (49) - 130 (133)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.3		30 (52) - 130 (132)	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		15 (44) - 110 (137)	96%	SPK: 150
1718-51-0	Terphenyl-d14	77.8		30 (48) - 130 (125)	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	241000	6.904			
1146-65-2	Naphthalene-d8	943000	8.187			
15067-26-2	Acenaphthene-d10	511000	9.945			
1517-22-2	Phenanthrene-d10	875000	11.433			
1719-03-5	Chrysene-d12	501000	14.074			
1520-96-3	Perylene-d12	474000	15.563			

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:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q2008
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142341.D	1	05/12/25 08:40	05/13/25 13:16	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	36.1		3.90	10.0	ug/L
108-95-2	Phenol	15.7		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.0		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	37.4		0.58	5.00	ug/L
95-48-7	2-Methylphenol	31.8		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.4		1.30	5.00	ug/L
98-86-2	Acetophenone	43.2		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	28.6		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.9		1.40	2.50	ug/L
67-72-1	Hexachloroethane	34.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	46.3		0.76	5.00	ug/L
78-59-1	Isophorone	44.7		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	49.6		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	42.1		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.8		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.5		0.52	5.00	ug/L
91-20-3	Naphthalene	40.6		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	14.7		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	38.4		0.54	5.00	ug/L
105-60-2	Caprolactam	9.30	J	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	42.6		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	77.1		3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	48.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.2		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	43.3		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.8		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	52.4		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	46.5		0.61	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q2008
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142341.D	1	05/12/25 08:40	05/13/25 13:16	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.0		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	53.9		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	25.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.5		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	98.5	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	37.0		2.40	10.0	ug/L
132-64-9	Dibenzofuran	42.9		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	56.1		1.20	5.00	ug/L
84-66-2	Diethylphthalate	70.9		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.6		0.68	5.00	ug/L
86-73-7	Fluorene	42.6		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	51.9		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	53.7		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	47.6		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.4		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	47.7		0.52	5.00	ug/L
1912-24-9	Atrazine	48.2		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	44.0		0.50	5.00	ug/L
120-12-7	Anthracene	43.9		0.61	5.00	ug/L
86-74-8	Carbazole	41.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	52.0		1.20	5.00	ug/L
206-44-0	Fluoranthene	39.5		0.82	5.00	ug/L
129-00-0	Pyrene	40.2		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	54.8		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	40.5		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.2		0.45	5.00	ug/L
218-01-9	Chrysene	45.3		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	59.5		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	52.5		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.9		0.49	5.00	ug/L

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q2008
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142341.D	1	05/12/25 08:40	05/13/25 13:16	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.3		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	47.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	35.7		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	36.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	31.9		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.5		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	17.9		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	63.4		15 (10) - 110 (139)	42%	SPK: 150
13127-88-3	Phenol-d6	41.2		15 (10) - 110 (134)	27%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.2		30 (49) - 130 (133)	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		30 (52) - 130 (132)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	139		15 (44) - 110 (137)	93%	SPK: 150
1718-51-0	Terphenyl-d14	69.6		30 (48) - 130 (125)	70%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	223000	6.904			
1146-65-2	Naphthalene-d8	844000	8.187			
15067-26-2	Acenaphthene-d10	449000	9.945			
1517-22-2	Phenanthrene-d10	711000	11.433			
1719-03-5	Chrysene-d12	400000	14.074			
1520-96-3	Perylene-d12	459000	15.563			

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:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q2008
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% 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
BF142342.D	1	05/12/25 08:40	05/13/25 13:45	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	38.2		3.90	10.0	ug/L
108-95-2	Phenol	16.6		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	37.1		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	39.6		0.58	5.00	ug/L
95-48-7	2-Methylphenol	34.2		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	41.4		1.30	5.00	ug/L
98-86-2	Acetophenone	45.4		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	30.3		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	45.2		1.40	2.50	ug/L
67-72-1	Hexachloroethane	35.6		0.65	5.00	ug/L
98-95-3	Nitrobenzene	49.8		0.76	5.00	ug/L
78-59-1	Isophorone	47.0		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	52.7		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	44.5		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.1		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.8		0.52	5.00	ug/L
91-20-3	Naphthalene	42.7		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	15.0		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	40.1		0.54	5.00	ug/L
105-60-2	Caprolactam	10.5		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.4		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	44.2		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	80.5	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	51.7		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	50.0		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	45.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.5		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	56.9		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	49.3		0.61	5.00	ug/L

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q2008
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% 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
BF142342.D	1	05/12/25 08:40	05/13/25 13:45	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	57.7		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	25.9		1.10	5.00	ug/L
83-32-9	Acenaphthene	50.7		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	40.3		2.40	10.0	ug/L
132-64-9	Dibenzofuran	45.3		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	60.6		1.20	5.00	ug/L
84-66-2	Diethylphthalate	75.2		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.2		0.68	5.00	ug/L
86-73-7	Fluorene	45.2		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	56.9		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	58.3		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	49.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	51.1		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	50.1		0.52	5.00	ug/L
1912-24-9	Atrazine	51.5		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	46.5		0.50	5.00	ug/L
120-12-7	Anthracene	45.9		0.61	5.00	ug/L
86-74-8	Carbazole	43.7		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	54.5		1.20	5.00	ug/L
206-44-0	Fluoranthene	41.9		0.82	5.00	ug/L
129-00-0	Pyrene	42.7		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	60.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	42.7		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.4		0.45	5.00	ug/L
218-01-9	Chrysene	48.0		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	62.6		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	54.6		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	48.4		0.49	5.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	05/08/25
Project:	Former Schlumberger Site Princeton NJ 2025	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q2008
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% 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
BF142342.D	1	05/12/25 08:40	05/13/25 13:45	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	50.7		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	50.8		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	37.1		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	37.4		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	33.0		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.5		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	19.4		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.3		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	67.3		15 (10) - 110 (139)	45%	SPK: 150
13127-88-3	Phenol-d6	44.1		15 (10) - 110 (134)	29%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.3		30 (49) - 130 (133)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.7		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	149		15 (44) - 110 (137)	99%	SPK: 150
1718-51-0	Terphenyl-d14	72.6		30 (48) - 130 (125)	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	221000	6.904			
1146-65-2	Naphthalene-d8	842000	8.186			
15067-26-2	Acenaphthene-d10	448000	9.945			
1517-22-2	Phenanthrene-d10	725000	11.433			
1719-03-5	Chrysene-d12	408000	14.074			
1520-96-3	Perylene-d12	453000	15.562			

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_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon May 05 18:41:44 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142295.D 5 =BF142296.D 10 =BF142297.D 20 =BF142298.D 40 =BF142299.D 50 =BF142300.D 60 =BF142301.D 80 =BF1423
02.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.553	0.527	0.535	0.503	0.543	0.521	0.511	0.528	3.36
3)		Pyridine		1.159	1.233	1.210	1.176	1.311	1.312	1.270	1.239	4.99
4)		n-Nitrosodimet...		0.718	0.707	0.729	0.696	0.759	0.726	0.705	0.720	2.88
5)	S	2-Fluorophenol		1.212	1.177	1.211	1.126	1.224	1.165	1.086	1.172	4.35
6)		Aniline		0.955	1.370	1.568	1.467	1.543	1.519	1.472	1.413	15.03
7)	S	Phenol-d6		1.510	1.458	1.489	1.375	1.500	1.419	1.336	1.441	4.64
8)		2-Chlorophenol		1.202	1.223	1.263	1.221	1.346	1.283	1.225	1.252	4.00
9)		Benzaldehyde		1.049	0.959	0.903	0.734	0.752	0.663		0.843	17.74
10)	C	Phenol		1.599	1.528	1.584	1.472	1.580	1.524	1.405	1.527	4.55
11)		bis(2-Chloroet...		1.789	1.543	1.510	1.353	1.516	1.441	1.392	1.506	9.49
12)		1,3-Dichlorobe...		1.555	1.505	1.466	1.347	1.477	1.379	1.298	1.432	6.48
13)	C	1,4-Dichlorobe...		1.562	1.499	1.486	1.364	1.476	1.386	1.294	1.438	6.46
14)		1,2-Dichlorobe...		1.480	1.432	1.415	1.317	1.424	1.340	1.254	1.380	5.71
15)		Benzyl Alcohol		0.816	0.843	0.933	0.928	1.030	1.008	0.972	0.933	8.56
16)		2,2'-oxybis(1-...		2.379	2.310	2.325	2.135	2.341	2.211	2.044	2.249	5.48
17)		2-Methylphenol		1.033	1.008	1.022	0.972	1.070	1.013	0.978	1.014	3.30
18)		Hexachloroethane		0.473	0.464	0.488	0.463	0.511	0.487	0.463	0.478	3.78
19)	P	n-Nitroso-di-n...	0.840	0.943	0.915	0.918	0.860	0.933	0.885	0.837	0.891	4.69
20)		3+4-Methylphenols		1.354	1.281	1.322	1.218	1.333	1.226	1.121	1.265	6.48
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.505	0.474	0.464	0.416	0.446	0.419	0.389	0.445	8.95
23)	S	Nitrobenzene-d5		0.289	0.304	0.336	0.327	0.360	0.348	0.332	0.328	7.48
24)		Nitrobenzene		0.281	0.293	0.316	0.306	0.337	0.325	0.305	0.309	6.05
25)		Isophorone		0.639	0.623	0.630	0.586	0.648	0.622	0.598	0.621	3.53
26)	C	2-Nitrophenol		0.089	0.097	0.121	0.132	0.154	0.155	0.155	0.129	21.55
27)		2,4-Dimethylph...		0.311	0.314	0.321	0.298	0.329	0.314	0.299	0.312	3.55
28)		bis(2-Chloroet...		0.430	0.414	0.418	0.374	0.408	0.386	0.366	0.399	6.09
29)	C	2,4-Dichloroph...		0.245	0.251	0.278	0.263	0.288	0.274	0.260	0.265	5.71
30)		1,2,4-Trichlor...		0.329	0.309	0.309	0.281	0.304	0.289	0.271	0.299	6.60
31)		Naphthalene		1.102	1.031	1.028	0.906	0.978	0.906	0.835	0.969	9.52
32)		Benzoic acid			0.084	0.117	0.140	0.178	0.186	0.194	0.150	29.22
33)		4-Chloroaniline		0.373	0.373	0.398	0.383	0.435	0.415	0.392	0.396	5.80
34)	C	Hexachlorobuta...		0.188	0.182	0.181	0.168	0.185	0.173	0.162	0.177	5.32
35)		Caprolactam		0.063	0.068	0.078	0.079	0.088	0.083	0.082	0.077	11.39
36)	C	4-Chloro-3-met...		0.281	0.270	0.283	0.265	0.290	0.279	0.262	0.276	3.68
37)		2-Methylnaphth...		0.672	0.636	0.635	0.569	0.615	0.568	0.521	0.602	8.60
38)		1-Methylnaphth...		0.710	0.675	0.665	0.594	0.630	0.587	0.535	0.628	9.59

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.600	0.586	0.586	0.515	0.574	0.538	0.512	0.559	6.51
41)	P	Hexachlorocycl...	0.286	0.303	0.349	0.343	0.388	0.379	0.369	0.345	11.16
42)	S	2,4,6-Tribromo...	0.161	0.176	0.198	0.191	0.218	0.210	0.197	0.193	10.16
43)	C	2,4,6-Trichlor...	0.306	0.320	0.360	0.351	0.393	0.371	0.365	0.352	8.53
44)		2,4,5-Trichlor...	0.339	0.353	0.390	0.363	0.413	0.397	0.369	0.375	7.00
45)	S	2-Fluorobiphenyl	1.737	1.605	1.532	1.272	1.337	1.246	1.090	1.403	16.29
46)		1,1'-Biphenyl	1.727	1.641	1.637	1.411	1.567	1.442	1.310	1.533	9.75
47)		2-Chloronaphth...	1.256	1.198	1.193	1.058	1.155	1.106	1.018	1.140	7.40
48)		2-Nitroaniline	0.205	0.240	0.292	0.298	0.344	0.337	0.330	0.292	17.90
49)		Acenaphthylene	2.083	2.025	2.009	1.783	1.958	1.830	1.665	1.908	7.94
50)		Dimethylphthalate	1.338	1.295	1.344	1.210	1.342	1.275	1.186	1.284	5.04
51)		2,6-Dinitrotol...	0.172	0.206	0.242	0.245	0.280	0.273	0.263	0.240	16.19
52)	C	Acenaphthene	1.260	1.191	1.200	1.066	1.180	1.111	1.021	1.147	7.32
53)		3-Nitroaniline	0.206	0.238	0.288	0.286	0.329	0.319	0.307	0.282	15.80
54)	P	2,4-Dinitrophenol		0.062	0.083	0.097	0.120	0.124	0.127	0.102	25.44
55)		Dibenzofuran	1.932	1.790	1.801	1.555	1.711	1.609	1.453	1.693	9.72
56)	P	4-Nitrophenol	0.159	0.178	0.210	0.214	0.253	0.240	0.231	0.212	15.82
57)		2,4-Dinitrotol...	0.222	0.250	0.303	0.318	0.368	0.355	0.341	0.308	17.63
58)		Fluorene	1.521	1.407	1.374	1.195	1.283	1.183	1.080	1.292	11.77
59)		2,3,4,6-Tetrac...	0.266	0.288	0.320	0.305	0.344	0.329	0.314	0.309	8.38
60)		Diethylphthalate	1.344	1.325	1.355	1.207	1.344	1.252	1.151	1.283	6.27
61)		4-Chlorophenyl...	0.699	0.666	0.658	0.577	0.638	0.590	0.535	0.623	9.26
62)		4-Nitroaniline	0.207	0.230	0.248	0.225	0.240	0.219	0.195	0.223	8.23
63)		Azobenzene	1.338	1.271	1.285	1.132	1.270	1.185	1.098	1.226	7.23
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.052	0.068	0.081	0.094	0.098	0.101	0.082	23.49
66)	c	n-Nitrosodiphe...	0.704	0.683	0.693	0.629	0.686	0.654	0.610	0.666	5.28
67)		4-Bromophenyl-...	0.230	0.227	0.232	0.216	0.238	0.227	0.217	0.227	3.44
68)		Hexachlorobenzene	0.264	0.246	0.253	0.237	0.258	0.248	0.240	0.249	3.84
69)		Atrazine	0.157	0.165	0.176	0.174	0.196	0.185	0.175	0.175	7.17
70)	C	Pentachlorophenol	0.094	0.109	0.130	0.139	0.153	0.150	0.144	0.131	16.65
71)		Phenanthrene	1.193	1.102	1.105	0.988	1.058	0.987	0.906	1.048	9.14
72)		Anthracene	1.210	1.136	1.134	1.018	1.093	1.023	0.927	1.077	8.77
73)		Carbazole	1.065	1.016	1.024	0.926	0.986	0.911	0.837	0.966	8.17
74)		Di-n-butylphth...	0.957	1.022	1.082	1.013	1.093	1.019	0.928	1.016	5.91
75)	C	Fluoranthene	1.198	1.154	1.128	0.985	1.051	0.956	0.863	1.048	11.46
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.272	0.384	0.358	0.426	0.403	0.337	0.363	15.09
78)		Pyrene	1.822	1.748	1.902	1.705	1.912	1.817	1.555	1.780	6.99
79)	S	Terphenyl-d14	1.493	1.424	1.460	1.255	1.390	1.314	1.123	1.351	9.61
80)		Butylbenzylpht...	0.282	0.330	0.439	0.469	0.545	0.549	0.527	0.449	23.70
81)		Benzo(a)anthra...	1.370	1.299	1.317	1.238	1.354	1.296	1.192	1.295	4.84
82)		3,3'-Dichlorob...	0.250	0.279	0.316	0.296	0.327	0.323	0.317	0.301	9.40
83)		Chrysene	1.294	1.227	1.247	1.104	1.238	1.203	1.128	1.206	5.59
84)		Bis(2-ethylhex...	0.328	0.417	0.557	0.601	0.699	0.716	0.697	0.573	26.35
85)	c	Di-n-octyl pht...		0.586	0.856	1.029	1.242	1.315	1.317	1.057	27.77

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.152	1.281	1.421	1.384	1.596	1.504	1.402	1.391	10.38
88)		Benzo(b)fluora...	1.312	1.216	1.227	1.163	1.263	1.142	1.156	1.211	5.14
89)		Benzo(k)fluora...	1.158	1.142	1.164	1.040	1.172	1.114	0.969	1.109	6.88
90)	C	Benzo(a)pyrene	1.034	1.042	1.102	1.066	1.183	1.119	1.054	1.085	4.88
91)		Dibenzo(a,h)an...	0.987	1.066	1.194	1.137	1.308	1.224	1.129	1.149	9.17
92)		Benzo(g,h,i)pe...	0.971	1.056	1.175	1.120	1.295	1.225	1.143	1.141	9.37

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Instrument ID: BNA_F Calibration Date/Time: 05/13/2025 10:49

Lab File ID: BF142336.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.367		16.6	
Benzaldehyde	0.843	0.753		-10.7	
Phenol-d6	1.441	1.664		15.5	
Phenol	1.531	1.898		24.0	20.0
bis(2-Chloroethyl)ether	1.506	1.507		0.1	
2-Chlorophenol	1.252	1.494		19.3	
2-Methylphenol	1.014	1.200		18.3	
2,2-oxybis(1-Chloropropane)	2.249	2.554		13.6	
Acetophenone	0.445	0.499		12.1	
3+4-Methylphenols	1.265	1.480		17.0	
n-Nitroso-di-n-propylamine	0.891	1.031	0.050	15.7	
Nitrobenzene-d5	0.328	0.407		24.1	
Hexachloroethane	0.478	0.564		18.0	
Nitrobenzene	0.309	0.384		24.3	
Isophorone	0.621	0.722		16.3	
2-Nitrophenol	0.129	0.174		34.9	20.0
2,4-Dimethylphenol	0.312	0.365		17.0	
bis(2-Chloroethoxy)methane	0.399	0.454		13.8	
2,4-Dichlorophenol	0.265	0.324		22.3	20.0
Naphthalene	0.969	1.107		14.2	
4-Chloroaniline	0.395	0.472		19.5	
Hexachlorobutadiene	0.177	0.205		15.8	20.0
Caprolactam	0.077	0.101		31.2	
4-Chloro-3-methylphenol	0.276	0.328		18.8	20.0
2-Methylnaphthalene	0.602	0.684		13.6	
Hexachlorocyclopentadiene	0.345	0.427	0.050	23.8	
2,4,6-Trichlorophenol	0.352	0.428		21.6	20.0
2-Fluorobiphenyl	1.403	1.493		6.4	
2,4,5-Trichlorophenol	0.375	0.463		23.5	
1,1-Biphenyl	1.533	1.716		11.9	
2-Chloronaphthalene	1.140	1.289		13.1	
2-Nitroaniline	0.292	0.387		32.5	
Dimethylphthalate	1.284	1.507		17.4	
Acenaphthylene	1.908	2.144		12.4	
2,6-Dinitrotoluene	0.240	0.324		35.0	
3-Nitroaniline	0.282	0.375		33.0	
Acenaphthene	1.147	1.291		12.6	20.0
2,4-Dinitrophenol	0.102	0.137	0.050	34.3	
4-Nitrophenol	0.212	0.286	0.050	34.9	

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2008 SAS No.: Q2008 SDG No.: Q2008

Instrument ID: BNA_F Calibration Date/Time: 05/13/2025 10:49

Lab File ID: BF142336.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.907		12.6	
2,4-Dinitrotoluene	0.308	0.427		38.6	
Diethylphthalate	1.283	1.519		18.4	
4-Chlorophenyl-phenylether	0.623	0.707		13.5	
Fluorene	1.292	1.434		11.0	
4-Nitroaniline	0.223	0.278		24.7	
4,6-Dinitro-2-methylphenol	0.082	0.108		31.7	
n-Nitrosodiphenylamine	0.666	0.748		12.3	20.0
2,4,6-Tribromophenol	0.193	0.249		29.0	
4-Bromophenyl-phenylether	0.227	0.262		15.4	
Hexachlorobenzene	0.249	0.290		16.5	
Atrazine	0.175	0.220		25.7	
Pentachlorophenol	0.131	0.173		32.1	20.0
Phenanthrene	1.048	1.171		11.7	
Anthracene	1.077	1.205		11.9	
Carbazole	0.966	1.086		12.4	
Di-n-butylphthalate	1.016	1.242		22.2	
Fluoranthene	1.048	1.170		11.6	20.0
Pyrene	1.780	1.976		11.0	
Terphenyl-d14	1.351	1.483		9.8	
Butylbenzylphthalate	0.449	0.615		37.0	
3,3-Dichlorobenzidine	0.301	0.406		34.9	
Benzo(a)anthracene	1.295	1.500		15.8	
Chrysene	1.206	1.354		12.3	
Bis(2-ethylhexyl)phthalate	0.573	0.764		33.3	
Di-n-octyl phthalate	1.057	1.342		27.0	20.0
Benzo(b)fluoranthene	1.211	1.431		18.2	
Benzo(k)fluoranthene	1.109	1.254		13.1	
Benzo(a)pyrene	1.085	1.300		19.8	20.0
Indeno(1,2,3-cd)pyrene	1.391	1.662		19.5	
Dibenzo(a,h)anthracene	1.149	1.354		17.8	
Benzo(g,h,i)perylene	1.141	1.342		17.6	
1,2,4,5-Tetrachlorobenzene	0.559	0.639		14.3	
1,4-Dioxane	0.528	0.613		16.1	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.387		25.2	

All other compounds must meet a minimum RRF of 0.010.