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

LAB CHRONICLE

OrderID:	P2687	**OrderDate:**	5/31/2024 2:04:21 PM
Client:	PSEG	**Project:**	Victory Laydown Yard
Contact:	John Kieffer	**Location:**	K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P2687-01	**VNJ-223**	**SOIL**			**05/31/24**			**05/31/24**
			SVOC-TCL BNA -20	8270E		06/03/24	06/04/24	
P2687-03	**VNJ-223**	**TCLP**			**05/31/24**			**05/31/24**
			TCLP BNA	8270E		06/03/24	06/04/24	
P2687-04	**72-11977**	**SOIL**			**05/31/24**			**05/31/24**
			SVOC-TCL BNA -20	8270E		06/03/24	06/04/24	
P2687-06	**72-11977**	**TCLP**			**05/31/24**			**05/31/24**
			TCLP BNA	8270E		06/03/24	06/04/24	
P2687-07	**72-11998**	**SOIL**			**05/31/24**			**05/31/24**
			SVOC-TCL BNA -20	8270E		06/03/24	06/04/24	
P2687-09	**72-11998**	**TCLP**			**05/31/24**			**05/31/24**
			TCLP BNA	8270E		06/03/24	06/04/24	

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Hit Summary Sheet
SW-846

SDG No.: P2687

Client: PSEG

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

SAMPLE DATA

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Report of Analysis

Client:	PSEG			Date Collected:	05/31/24
Project:	Victory Laydown Yard			Date Received:	05/31/24
Client Sample ID:	VNJ-223			SDG No.:	P2687
Lab Sample ID:	P2687-03			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020497.D	1	06/03/24 10:50	06/04/24 15:15	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	0.050	U	0.016	0.050	mg/L
106-46-7	1,4-Dichlorobenzene	0.050	U	0.0084	0.050	mg/L
95-48-7	2-Methylphenol	0.050	U	0.011	0.050	mg/L
65794-96-9	3+4-Methylphenols	0.10	U	0.012	0.10	mg/L
67-72-1	Hexachloroethane	0.050	U	0.010	0.050	mg/L
98-95-3	Nitrobenzene	0.050	U	0.013	0.050	mg/L
87-68-3	Hexachlorobutadiene	0.050	U	0.013	0.050	mg/L
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.0089	0.050	mg/L
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.010	0.050	mg/L
121-14-2	2,4-Dinitrotoluene	0.050	U	0.015	0.050	mg/L
118-74-1	Hexachlorobenzene	0.050	U	0.011	0.050	mg/L
87-86-5	Pentachlorophenol	0.10	U	0.019	0.10	mg/L
SURROGATES						
367-12-4	2-Fluorophenol	131		10 - 139	87%	SPK: 150
13127-88-3	Phenol-d6	110		10 - 134	73%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.1		49 - 133	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.8		52 - 132	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		32 - 145	107%	SPK: 150
1718-51-0	Terphenyl-d14	80.4		36 - 145	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	255000	7.746			
1146-65-2	Naphthalene-d8	987000	10.522			
15067-26-2	Acenaphthene-d10	590000	14.381			
1517-22-2	Phenanthrene-d10	1400000	17.186			
1719-03-5	Chrysene-d12	1380000	21.651			
1520-96-3	Perylene-d12	403000	25.004			

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Report of Analysis

Client:	PSEG			Date Collected:	05/31/24
Project:	Victory Laydown Yard			Date Received:	05/31/24
Client Sample ID:	VNJ-223			SDG No.:	P2687
Lab Sample ID:	P2687-03			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020497.D	1	06/03/24 10:50	06/04/24 15:15	PB161311

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:	PSEG			Date Collected:	05/31/24
Project:	Victory Laydown Yard			Date Received:	05/31/24
Client Sample ID:	72-11977			SDG No.:	P2687
Lab Sample ID:	P2687-06			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020498.D	1	06/03/24 10:50	06/04/24 16:00	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	0.050	U	0.016	0.050	mg/L
106-46-7	1,4-Dichlorobenzene	0.050	U	0.0084	0.050	mg/L
95-48-7	2-Methylphenol	0.050	U	0.011	0.050	mg/L
65794-96-9	3+4-Methylphenols	0.10	U	0.012	0.10	mg/L
67-72-1	Hexachloroethane	0.050	U	0.010	0.050	mg/L
98-95-3	Nitrobenzene	0.050	U	0.013	0.050	mg/L
87-68-3	Hexachlorobutadiene	0.050	U	0.013	0.050	mg/L
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.0089	0.050	mg/L
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.010	0.050	mg/L
121-14-2	2,4-Dinitrotoluene	0.050	U	0.015	0.050	mg/L
118-74-1	Hexachlorobenzene	0.050	U	0.011	0.050	mg/L
87-86-5	Pentachlorophenol	0.10	U	0.019	0.10	mg/L
SURROGATES						
367-12-4	2-Fluorophenol	129		10 - 139	86%	SPK: 150
13127-88-3	Phenol-d6	111		10 - 134	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.9		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		52 - 132	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		32 - 145	93%	SPK: 150
1718-51-0	Terphenyl-d14	79.6		36 - 145	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	274000	7.763			
1146-65-2	Naphthalene-d8	1060000	10.54			
15067-26-2	Acenaphthene-d10	666000	14.38			
1517-22-2	Phenanthrene-d10	1420000	17.198			
1719-03-5	Chrysene-d12	1340000	21.645			
1520-96-3	Perylene-d12	1460000	24.998			

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Report of Analysis

Client:	PSEG			Date Collected:	05/31/24
Project:	Victory Laydown Yard			Date Received:	05/31/24
Client Sample ID:	72-11977			SDG No.:	P2687
Lab Sample ID:	P2687-06			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020498.D	1	06/03/24 10:50	06/04/24 16:00	PB161311

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
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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	PSEG			Date Collected:	05/31/24
Project:	Victory Laydown Yard			Date Received:	05/31/24
Client Sample ID:	72-11998			SDG No.:	P2687
Lab Sample ID:	P2687-09			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020499.D	1	06/03/24 10:50	06/04/24 16:44	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	0.050	U	0.016	0.050	mg/L
106-46-7	1,4-Dichlorobenzene	0.050	U	0.0084	0.050	mg/L
95-48-7	2-Methylphenol	0.050	U	0.011	0.050	mg/L
65794-96-9	3+4-Methylphenols	0.10	U	0.012	0.10	mg/L
67-72-1	Hexachloroethane	0.050	U	0.010	0.050	mg/L
98-95-3	Nitrobenzene	0.050	U	0.013	0.050	mg/L
87-68-3	Hexachlorobutadiene	0.050	U	0.013	0.050	mg/L
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.0089	0.050	mg/L
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.010	0.050	mg/L
121-14-2	2,4-Dinitrotoluene	0.050	U	0.015	0.050	mg/L
118-74-1	Hexachlorobenzene	0.050	U	0.011	0.050	mg/L
87-86-5	Pentachlorophenol	0.10	U	0.019	0.10	mg/L
SURROGATES						
367-12-4	2-Fluorophenol	118		10 - 139	78%	SPK: 150
13127-88-3	Phenol-d6	103		10 - 134	69%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.0		49 - 133	81%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.9		52 - 132	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		32 - 145	91%	SPK: 150
1718-51-0	Terphenyl-d14	77.7		36 - 145	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	268000	7.769			
1146-65-2	Naphthalene-d8	1040000	10.534			
15067-26-2	Acenaphthene-d10	657000	14.381			
1517-22-2	Phenanthrene-d10	1440000	17.192			
1719-03-5	Chrysene-d12	1350000	21.651			
1520-96-3	Perylene-d12	1480000	25.004			

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Report of Analysis

Client:	PSEG			Date Collected:	05/31/24
Project:	Victory Laydown Yard			Date Received:	05/31/24
Client Sample ID:	72-11998			SDG No.:	P2687
Lab Sample ID:	P2687-09			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020499.D	1	06/03/24 10:50	06/04/24 16:44	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	PSEG			Date Collected:	06/03/24
Project:	Victory Laydown Yard			Date Received:	06/03/24
Client Sample ID:	PB161253TB			SDG No.:	P2687
Lab Sample ID:	PB161253TB			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020514.D	1	06/03/24 10:50	06/05/24 12:09	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	0.050	U	0.016	0.050	mg/L
106-46-7	1,4-Dichlorobenzene	0.050	U	0.0084	0.050	mg/L
95-48-7	2-Methylphenol	0.050	U	0.011	0.050	mg/L
65794-96-9	3+4-Methylphenols	0.10	U	0.012	0.10	mg/L
67-72-1	Hexachloroethane	0.050	U	0.010	0.050	mg/L
98-95-3	Nitrobenzene	0.050	U	0.013	0.050	mg/L
87-68-3	Hexachlorobutadiene	0.050	U	0.013	0.050	mg/L
88-06-2	2,4,6-Trichlorophenol	0.050	U	0.0089	0.050	mg/L
95-95-4	2,4,5-Trichlorophenol	0.050	U	0.010	0.050	mg/L
121-14-2	2,4-Dinitrotoluene	0.050	U	0.015	0.050	mg/L
118-74-1	Hexachlorobenzene	0.050	U	0.011	0.050	mg/L
87-86-5	Pentachlorophenol	0.10	U	0.019	0.10	mg/L
SURROGATES						
367-12-4	2-Fluorophenol	145		10 - 139	96%	SPK: 150
13127-88-3	Phenol-d6	129		10 - 134	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.8		49 - 133	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.9		52 - 132	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		32 - 145	92%	SPK: 150
1718-51-0	Terphenyl-d14	80.9		36 - 145	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	334000	7.775			
1146-65-2	Naphthalene-d8	1280000	10.54			
15067-26-2	Acenaphthene-d10	768000	14.393			
1517-22-2	Phenanthrene-d10	1430000	17.198			
1719-03-5	Chrysene-d12	1100000	21.651			
1520-96-3	Perylene-d12	1360000	25.016			

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Report of Analysis

Client:	PSEG			Date Collected:	06/03/24
Project:	Victory Laydown Yard			Date Received:	06/03/24
Client Sample ID:	PB161253TB			SDG No.:	P2687
Lab Sample ID:	PB161253TB			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020514.D	1	06/03/24 10:50	06/05/24 12:09	PB161311

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.: P2687

Client: PSEG

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2668-04MS	WC-TP-1MS	2-Fluorophenol	150	127	85		10	139
		Phenol-d6	150	112	75		10	134
		Nitrobenzene-d5	100	84.0	84		49	133
		2-Fluorobiphenyl	100	79.4	79		52	132
		2,4,6-Tribromophenol	150	147	98		32	145
		Terphenyl-d14	100	77.7	78		36	145
P2668-04MSD	WC-TP-1MSD	2-Fluorophenol	150	130	87		10	139
		Phenol-d6	150	114	76		10	134
		Nitrobenzene-d5	100	86.8	87		49	133
		2-Fluorobiphenyl	100	85.1	85		52	132
		2,4,6-Tribromophenol	150	147	98		32	145
		Terphenyl-d14	100	76.1	76		36	145
P2687-03	VNJ-223	2-Fluorophenol	150	131	87		10	139
		Phenol-d6	150	110	73		10	134
		Nitrobenzene-d5	100	89.1	89		49	133
		2-Fluorobiphenyl	100	82.8	83		52	132
		2,4,6-Tribromophenol	150	160	107		32	145
		Terphenyl-d14	100	80.4	80		36	145
P2687-06	72-11977	2-Fluorophenol	150	129	86		10	139
		Phenol-d6	150	111	74		10	134
		Nitrobenzene-d5	100	87.9	88		49	133
		2-Fluorobiphenyl	100	78.7	79		52	132
		2,4,6-Tribromophenol	150	140	93		32	145
		Terphenyl-d14	100	79.6	80		36	145
P2687-09	72-11998	2-Fluorophenol	150	118	78		10	139
		Phenol-d6	150	103	69		10	134
		Nitrobenzene-d5	100	81.0	81		49	133
		2-Fluorobiphenyl	100	73.9	74		52	132
		2,4,6-Tribromophenol	150	136	91		32	145
		Terphenyl-d14	100	77.7	78		36	145
PB161253TB	PB161253TB	2-Fluorophenol	150	145	96		10	139
		Phenol-d6	150	129	86		10	134
		Nitrobenzene-d5	100	89.8	90		49	133
		2-Fluorobiphenyl	100	90.9	91		52	132
		2,4,6-Tribromophenol	150	138	92		32	145
		Terphenyl-d14	100	80.9	81		36	145
PB161311BL	PB161311BL	2-Fluorophenol	150	142	95		10	139
		Phenol-d6	150	123	82		10	134
		Nitrobenzene-d5	100	90.9	91		49	133
		2-Fluorobiphenyl	100	96.0	96		52	132
		2,4,6-Tribromophenol	150	142	94		32	145
		Terphenyl-d14	100	73.5	74		36	145
PB161311BS	PB161311BS	2-Fluorophenol	150	133	89		10	139
		Phenol-d6	150	111	74		10	134
		Nitrobenzene-d5	100	86.0	86		49	133
		2-Fluorobiphenyl	100	91.5	91		52	132
		2,4,6-Tribromophenol	150	128	85		32	145
		Terphenyl-d14	100	63.8	64		36	145

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P2687

Client: PSEG

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P2668-04MS		**Client Sample ID: WC-TP-1MS**						**DataFile: BP020517.D**			
Pyridine	500	0	310	ug/L	62				10	109	
1,4-Dichlorobenzene	500	0	400	ug/L	80				55	125	
2-Methylphenol	500	0	410	ug/L	82				23	132	
3+4-Methylphenols	500	0	410	ug/L	82				17	136	
Hexachloroethane	500	0	390	ug/L	78				35	137	
Nitrobenzene	500	0	410	ug/L	82				40	134	
Hexachlorobutadiene	500	0	400	ug/L	80				52	125	
2,4,6-Trichlorophenol	500	0	490	ug/L	98				46	139	
2,4,5-Trichlorophenol	500	0	460	ug/L	92				42	129	
2,4-Dinitrotoluene	500	0	460	ug/L	92				40	151	
Hexachlorobenzene	500	0	440	ug/L	88				60	129	
Pentachlorophenol	1000	0	770	ug/L	77				15	137	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P2687

Client: PSEG

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P2668-04MSD		**Client Sample ID: WC-TP-1MSD**						**DataFile: BP020518.D**			
Pyridine	500	0	310	ug/L	62	0			10	109	20
1,4-Dichlorobenzene	500	0	400	ug/L	80	0			55	125	20
2-Methylphenol	500	0	420	ug/L	84	2			23	132	20
3+4-Methylphenols	500	0	420	ug/L	84	2			17	136	20
Hexachloroethane	500	0	390	ug/L	78	0			35	137	20
Nitrobenzene	500	0	410	ug/L	82	0			40	134	20
Hexachlorobutadiene	500	0	410	ug/L	82	2			52	125	20
2,4,6-Trichlorophenol	500	0	510	ug/L	102	4			46	139	20
2,4,5-Trichlorophenol	500	0	470	ug/L	94	2			42	129	20
2,4-Dinitrotoluene	500	0	470	ug/L	94	2			40	151	20
Hexachlorobenzene	500	0	440	ug/L	88	0			60	129	20
Pentachlorophenol	1000	0	760	ug/L	76	1			15	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P2687

Client: PSEG

Analytical Method: 8270E **DataFile:** BP020513.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB161311BS	Pyridine	50	35.3	ug/L	71				29	97	
	1,4-Dichlorobenzene	50	43.0	ug/L	86				76	103	
	2-Methylphenol	50	38.5	ug/L	77				69	109	
	3+4-Methylphenols	50	36.8	ug/L	74				67	106	
	Hexachloroethane	50	42.5	ug/L	85				76	118	
	Nitrobenzene	50	43.1	ug/L	86				58	106	
	Hexachlorobutadiene	50	45.6	ug/L	91				69	101	
	2,4,6-Trichlorophenol	50	52.7	ug/L	105				61	110	
	2,4,5-Trichlorophenol	50	47.0	ug/L	94				70	106	
	2,4-Dinitrotoluene	50	40.7	ug/L	81				60	115	
	Hexachlorobenzene	50	46.6	ug/L	93				73	106	
	Pentachlorophenol	100	94.0	ug/L	94				47	114	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161311BL

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM Case No.: P2687 SAS No.: P2687 SDG NO.: P2687

Lab File ID: BP020512.D Lab Sample ID: PB161311BL

Instrument ID: BNA_P Date Extracted: 06/03/2024

Matrix: (soil/water) water Date Analyzed: 06/05/2024

Level: (low/med) LOW Time Analyzed: 10:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161311BS	PB161311BS	BP020513.D	06/05/2024
VNJ-223	P2687-03	BP020497.D	06/04/2024
72-11977	P2687-06	BP020498.D	06/04/2024
72-11998	P2687-09	BP020499.D	06/04/2024
PB161253TB	PB161253TB	BP020514.D	06/05/2024
WC-TP-1MS	P2668-04MS	BP020517.D	06/05/2024
WC-TP-1MSD	P2668-04MSD	BP020518.D	06/05/2024

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM SAS No.: P2687 SDG NO.: P2687

Lab File ID: BP020468.D DFTPP Injection Date: 05/29/2024

Instrument ID: BNA_P DFTPP Injection Time: 09:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	36.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.9
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	6.8
275	10.0 - 60.0% of mass 198	26.7
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	76.4
443	15.0 - 24.0% of mass 442	15 (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	BP020469.D	05/29/2024	09:59
SSTDICC005	SSTDICC005	BP020470.D	05/29/2024	10:42
SSTDICC010	SSTDICC010	BP020471.D	05/29/2024	11:26
SSTDICC020	SSTDICC020	BP020472.D	05/29/2024	12:09
SSTDICCC040	SSTDICCC040	BP020473.D	05/29/2024	12:52
SSTDICC050	SSTDICC050	BP020474.D	05/29/2024	13:38
SSTDICC060	SSTDICC060	BP020475.D	05/29/2024	14:21
SSTDICC080	SSTDICC080	BP020476.D	05/29/2024	15:04

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM SAS No.: P2687 SDG NO.: P2687

Lab File ID: BP020493.D DFTPP Injection Date: 06/04/2024

Instrument ID: BNA_P DFTPP Injection Time: 11:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.6
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.3
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	84.3
443	15.0 - 24.0% of mass 442	16.3 (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
SSTDCCC040	SSTDCCC040	BP020494.D	06/04/2024	12:27
VNJ-223	P2687-03	BP020497.D	06/04/2024	15:15
72-11977	P2687-06	BP020498.D	06/04/2024	16:00
72-11998	P2687-09	BP020499.D	06/04/2024	16:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM SAS No.: P2687 SDG NO.: P2687

Lab File ID: BP020510.D DFTPP Injection Date: 06/05/2024

Instrument ID: BNA_P DFTPP Injection Time: 09:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.8
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	31.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	41.5
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	6.8
275	10.0 - 60.0% of mass 198	28.7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	94
443	15.0 - 24.0% of mass 442	18 (19.2) 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	BP020511.D	06/05/2024	10:00
PB161311BL	PB161311BL	BP020512.D	06/05/2024	10:43
PB161311BS	PB161311BS	BP020513.D	06/05/2024	11:26
PB161253TB	PB161253TB	BP020514.D	06/05/2024	12:09
WC-TP-1MS	P2668-04MS	BP020517.D	06/05/2024	14:24
WC-TP-1MSD	P2668-04MSD	BP020518.D	06/05/2024	15:08

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P2687 SAS No.: P2687 SDG NO.: P2687

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/04/2024

Lab File ID: BP020494.D Time Analyzed: 12:27

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	393653	7.769	1640780	10.55	1066330	14.40
	UPPER LIMIT	787306	8.269	3281560	11.046	2132660	14.898
	LOWER LIMIT	196827	7.269	820390	10.046	533165	13.898
	EPA SAMPLE NO.						
01	VNJ-223	255014	7.75	987390	10.52	590413	14.38
02	72-11977	274125	7.76	1058340	10.54	665506	14.38
03	72-11998	267600	7.77	1037480	10.53	656828	14.38

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.: P2687 SAS No.: P2687 SDG NO.: P2687

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/04/2024

Lab File ID: BP020494.D Time Analyzed: 12:27

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	2191490	17.204	1689250	21.657	1546260		25.004
	UPPER LIMIT	4382980	17.704	3378500	22.157	3092520		25.504
	LOWER LIMIT	1095750	16.704	844625	21.157	773130		24.504
	EPA SAMPLE NO.							
01	VNJ-223	1399860	17.19	1382150	21.65	402884	*	25.00
02	72-11977	1422300	17.20	1338450	21.65	1463400		25.00
03	72-11998	1443900	17.19	1352830	21.65	1475280		25.00

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.: P2687 SAS No.: P2687 SDG NO.: P2687

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/05/2024

Lab File ID: BP020511.D Time Analyzed: 10:00

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	340923	7.769	1151440	10.53	617371	14.39
	UPPER LIMIT	681846	8.269	2302880	11.034	1234740	14.892
	LOWER LIMIT	170462	7.269	575720	10.034	308686	13.892
	EPA SAMPLE NO.						
01	WC-TP-1MS	289922	7.76	1134320	10.53	728441	14.39
02	WC-TP-1MSD	283819	7.77	1119480	10.53	704926	14.39
03	PB161253TB	333837	7.78	1276820	10.54	767901	14.39
04	PB161311BL	264435	7.77	967853	10.54	530809	14.39
05	PB161311BS	335113	7.78	1162720	10.53	571575	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.: P2687 SAS No.: P2687 SDG NO.: P2687

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/05/2024

Lab File ID: BP020511.D Time Analyzed: 10:00

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	1199880	17.192	1331340	21.651	1664000	25.021
	UPPER LIMIT	2399760	17.692	2662680	22.151	3328000	25.521
	LOWER LIMIT	599940	16.692	665670	21.151	832000	24.521
	EPA SAMPLE NO.						
01	WC-TP-1MS	1494850	17.19	1363170	21.65	1578630	25.00
02	WC-TP-1MSD	1474380	17.19	1338920	21.65	1559460	25.02
03	PB161253TB	1431190	17.20	1104900	21.65	1358490	25.02
04	PB161311BL	1048510	17.20	1119510	21.65	1421720	25.01
05	PB161311BS	990697	17.20	1184110	21.66	1479480	25.02

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:	PSEG			Date Collected:	
Project:	Victory Laydown Yard			Date Received:	
Client Sample ID:	PB161311BL			SDG No.:	P2687
Lab Sample ID:	PB161311BL			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units: mL		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	TCLP BNA
Extraction Type :		Decanted : N		Level :	LOW
Injection Volume :		GPC Factor : 1.0		GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020512.D	1	06/03/24 10:50	06/05/24 10:43	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	0.0050	U	0.0016	0.0050	mg/L
106-46-7	1,4-Dichlorobenzene	0.0050	U	0.00084	0.0050	mg/L
95-48-7	2-Methylphenol	0.0050	U	0.0011	0.0050	mg/L
65794-96-9	3+4-Methylphenols	0.010	U	0.0012	0.010	mg/L
67-72-1	Hexachloroethane	0.0050	U	0.0010	0.0050	mg/L
98-95-3	Nitrobenzene	0.0050	U	0.0013	0.0050	mg/L
87-68-3	Hexachlorobutadiene	0.0050	U	0.0013	0.0050	mg/L
88-06-2	2,4,6-Trichlorophenol	0.0050	U	0.00089	0.0050	mg/L
95-95-4	2,4,5-Trichlorophenol	0.0050	U	0.0010	0.0050	mg/L
121-14-2	2,4-Dinitrotoluene	0.0050	U	0.0015	0.0050	mg/L
118-74-1	Hexachlorobenzene	0.0050	U	0.0011	0.0050	mg/L
87-86-5	Pentachlorophenol	0.010	U	0.0019	0.010	mg/L
SURROGATES						
367-12-4	2-Fluorophenol	142		10 - 139	95%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.9		49 - 133	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.0		52 - 132	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		32 - 145	94%	SPK: 150
1718-51-0	Terphenyl-d14	73.5		36 - 145	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	264000	7.769			
1146-65-2	Naphthalene-d8	968000	10.54			
15067-26-2	Acenaphthene-d10	531000	14.387			
1517-22-2	Phenanthrene-d10	1050000	17.204			
1719-03-5	Chrysene-d12	1120000	21.645			
1520-96-3	Perylene-d12	1420000	25.01			

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Report of Analysis

Client:	PSEG			Date Collected:			
Project:	Victory Laydown Yard			Date Received:			
Client Sample ID:	PB161311BL			SDG No.:	P2687		
Lab Sample ID:	PB161311BL			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :			Decanted : N	Level :	LOW		
Injection Volume :			GPC Factor : 1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020512.D	1	06/03/24 10:50	06/05/24 10:43	PB161311

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:	PSEG			Date Collected:	
Project:	Victory Laydown Yard			Date Received:	
Client Sample ID:	PB161311BS			SDG No.:	P2687
Lab Sample ID:	PB161311BS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units: mL		Final Vol:	1000 uL
Soil Aliquot Vol:		uL		Test:	TCLP BNA
Extraction Type :		Decanted : N		Level :	LOW
Injection Volume :		GPC Factor : 1.0		GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020513.D	1	06/03/24 10:50	06/05/24 11:26	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	0.035		0.0016	0.0050	mg/L
106-46-7	1,4-Dichlorobenzene	0.043		0.00084	0.0050	mg/L
95-48-7	2-Methylphenol	0.039		0.0011	0.0050	mg/L
65794-96-9	3+4-Methylphenols	0.037		0.0012	0.010	mg/L
67-72-1	Hexachloroethane	0.043		0.0010	0.0050	mg/L
98-95-3	Nitrobenzene	0.043		0.0013	0.0050	mg/L
87-68-3	Hexachlorobutadiene	0.046		0.0013	0.0050	mg/L
88-06-2	2,4,6-Trichlorophenol	0.053		0.00089	0.0050	mg/L
95-95-4	2,4,5-Trichlorophenol	0.047		0.0010	0.0050	mg/L
121-14-2	2,4-Dinitrotoluene	0.041		0.0015	0.0050	mg/L
118-74-1	Hexachlorobenzene	0.047		0.0011	0.0050	mg/L
87-86-5	Pentachlorophenol	0.094	E	0.0019	0.010	mg/L
SURROGATES						
367-12-4	2-Fluorophenol	133		10 - 139	89%	SPK: 150
13127-88-3	Phenol-d6	111		10 - 134	74%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.0		49 - 133	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.5		52 - 132	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	128		32 - 145	85%	SPK: 150
1718-51-0	Terphenyl-d14	63.8		36 - 145	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	335000	7.775			
1146-65-2	Naphthalene-d8	1160000	10.534			
15067-26-2	Acenaphthene-d10	572000	14.392			
1517-22-2	Phenanthrene-d10	991000	17.198			
1719-03-5	Chrysene-d12	1180000	21.657			
1520-96-3	Perylene-d12	1480000	25.021			

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Report of Analysis

Client:	PSEG			Date Collected:			
Project:	Victory Laydown Yard			Date Received:			
Client Sample ID:	PB161311BS			SDG No.:	P2687		
Lab Sample ID:	PB161311BS			Matrix:	TCLP		
Analytical Method:	SW8270			% Solid:	0		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA		
Extraction Type :		Decanted :	N	Level :	LOW		
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N	PH :	
Prep Method :	SW3510C						

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020513.D	1	06/03/24 10:50	06/05/24 11:26	PB161311

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:	PSEG	Date Collected:	05/30/24
Project:	Victory Laydown Yard	Date Received:	05/30/24
Client Sample ID:	WC-TP-1MS	SDG No.:	P2687
Lab Sample ID:	P2668-04MS	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020517.D	1	06/03/24 10:50	06/05/24 14:24	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	0.31		0.016	0.050	mg/L
106-46-7	1,4-Dichlorobenzene	0.40		0.0084	0.050	mg/L
95-48-7	2-Methylphenol	0.41		0.011	0.050	mg/L
65794-96-9	3+4-Methylphenols	0.41		0.012	0.10	mg/L
67-72-1	Hexachloroethane	0.39		0.010	0.050	mg/L
98-95-3	Nitrobenzene	0.41		0.013	0.050	mg/L
87-68-3	Hexachlorobutadiene	0.40		0.013	0.050	mg/L
88-06-2	2,4,6-Trichlorophenol	0.49		0.0089	0.050	mg/L
95-95-4	2,4,5-Trichlorophenol	0.46		0.010	0.050	mg/L
121-14-2	2,4-Dinitrotoluene	0.46		0.015	0.050	mg/L
118-74-1	Hexachlorobenzene	0.44		0.011	0.050	mg/L
87-86-5	Pentachlorophenol	0.77		0.019	0.10	mg/L
SURROGATES						
367-12-4	2-Fluorophenol	127		10 - 139	85%	SPK: 150
13127-88-3	Phenol-d6	112		10 - 134	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.0		49 - 133	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.4		52 - 132	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		32 - 145	98%	SPK: 150
1718-51-0	Terphenyl-d14	77.7		36 - 145	78%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	290000	7.763			
1146-65-2	Naphthalene-d8	1130000	10.534			
15067-26-2	Acenaphthene-d10	728000	14.392			
1517-22-2	Phenanthrene-d10	1490000	17.186			
1719-03-5	Chrysene-d12	1360000	21.651			
1520-96-3	Perylene-d12	1580000	25.004			

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Report of Analysis

Client:	PSEG			Date Collected:	05/30/24
Project:	Victory Laydown Yard			Date Received:	05/30/24
Client Sample ID:	WC-TP-1MS			SDG No.:	P2687
Lab Sample ID:	P2668-04MS			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020517.D	1	06/03/24 10:50	06/05/24 14:24	PB161311

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:	PSEG	Date Collected:	05/30/24
Project:	Victory Laydown Yard	Date Received:	05/30/24
Client Sample ID:	WC-TP-1MSD	SDG No.:	P2687
Lab Sample ID:	P2668-04MSD	Matrix:	TCLP
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	TCLP BNA
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020518.D	1	06/03/24 10:50	06/05/24 15:08	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
110-86-1	Pyridine	0.31		0.016	0.050	mg/L
106-46-7	1,4-Dichlorobenzene	0.40		0.0084	0.050	mg/L
95-48-7	2-Methylphenol	0.42		0.011	0.050	mg/L
65794-96-9	3+4-Methylphenols	0.42		0.012	0.10	mg/L
67-72-1	Hexachloroethane	0.39		0.010	0.050	mg/L
98-95-3	Nitrobenzene	0.41		0.013	0.050	mg/L
87-68-3	Hexachlorobutadiene	0.41		0.013	0.050	mg/L
88-06-2	2,4,6-Trichlorophenol	0.51		0.0089	0.050	mg/L
95-95-4	2,4,5-Trichlorophenol	0.47		0.010	0.050	mg/L
121-14-2	2,4-Dinitrotoluene	0.47		0.015	0.050	mg/L
118-74-1	Hexachlorobenzene	0.44		0.011	0.050	mg/L
87-86-5	Pentachlorophenol	0.76		0.019	0.10	mg/L
SURROGATES						
367-12-4	2-Fluorophenol	130		10 - 139	87%	SPK: 150
13127-88-3	Phenol-d6	114		10 - 134	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.8		49 - 133	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	85.1		52 - 132	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	147		32 - 145	98%	SPK: 150
1718-51-0	Terphenyl-d14	76.1		36 - 145	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	284000	7.769			
1146-65-2	Naphthalene-d8	1120000	10.534			
15067-26-2	Acenaphthene-d10	705000	14.387			
1517-22-2	Phenanthrene-d10	1470000	17.192			
1719-03-5	Chrysene-d12	1340000	21.645			
1520-96-3	Perylene-d12	1560000	25.015			

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Report of Analysis

Client:	PSEG			Date Collected:	05/30/24
Project:	Victory Laydown Yard			Date Received:	05/30/24
Client Sample ID:	WC-TP-1MSD			SDG No.:	P2687
Lab Sample ID:	P2668-04MSD			Matrix:	TCLP
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	100	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	TCLP BNA
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020518.D	1	06/03/24 10:50	06/05/24 15:08	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP
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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM Case No.: P2687 SAS No.: P2687 SDG No.: P2687

Instrument ID: BNA_P Calibration Date(s): 05/29/2024 05/29/2024

Calibration Time(s): 09:59 15:04

LAB FILE ID: RRF2.5 = BP020469.D RRF005 = BP020470.D RRF010 = BP020471.D
RRF020 = BP020472.D RRF040 = BP020473.D RRF050 = BP020474.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.188	1.265	1.330	1.291	1.266	1.269	3.6
2-Fluorophenol		1.090	1.121	1.167	1.131	1.104	1.117	2.7
Phenol-d6		1.561	1.575	1.656	1.600	1.551	1.575	3.2
1,4-Dichlorobenzene		1.568	1.534	1.578	1.504	1.433	1.499	4.4
2-Methylphenol		1.061	1.091	1.171	1.122	1.073	1.095	4.0
3+4-Methylphenols		1.398	1.442	1.589	1.535	1.476	1.489	4.5
Nitrobenzene-d5		0.355	0.363	0.379	0.371	0.362	0.365	2.6
Hexachloroethane		0.563	0.553	0.575	0.552	0.534	0.548	3.5
Nitrobenzene		0.375	0.368	0.390	0.372	0.363	0.371	2.9
Hexachlorobutadiene		0.218	0.220	0.218	0.213	0.209	0.215	1.9
2,4,6-Trichlorophenol		0.283	0.311	0.365	0.364	0.366	0.350	10.9
2-Fluorobiphenyl		1.455	1.393	1.455	1.312	1.270	1.342	7.3
2,4,5-Trichlorophenol		0.351	0.375	0.418	0.420	0.411	0.404	7.4
2,4-Dinitrotoluene		0.296	0.351	0.416	0.416	0.425	0.396	13.3
2,4,6-Tribromophenol		0.177	0.195	0.214	0.220	0.227	0.208	8.8
Hexachlorobenzene		0.241	0.238	0.243	0.236	0.234	0.241	2.4
Pentachlorophenol			0.120	0.136	0.146	0.150	0.146	11.3
Terphenyl-d14		1.238	1.205	1.218	1.277	1.170	1.201	5.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM Case No.: P2687 SAS No.: P2687 SDG No.: P2687

Instrument ID: BNA_P Calibration Date/Time: 06/04/2024 12:27

Lab File ID: BP020494.D Init. Calib. Date(s): 05/29/2024 05/29/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 15:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.269	1.334		5.1	
2-Fluorophenol	1.117	1.189		6.4	
Phenol-d6	1.575	1.656		5.1	
1,4-Dichlorobenzene	1.499	1.550		3.4	20.0
2-Methylphenol	1.095	1.135		3.7	
3+4-Methylphenols	1.489	1.566		5.2	
Nitrobenzene-d5	0.365	0.388		6.3	
Hexachloroethane	0.548	0.569		3.8	
Nitrobenzene	0.371	0.385		3.8	
Hexachlorobutadiene	0.215	0.228		6.0	20.0
2,4,6-Trichlorophenol	0.350	0.389		11.1	20.0
2-Fluorobiphenyl	1.342	1.345		0.2	
2,4,5-Trichlorophenol	0.404	0.444		9.9	
2,4-Dinitrotoluene	0.396	0.455		14.9	
2,4,6-Tribromophenol	0.208	0.238		14.4	
Hexachlorobenzene	0.241	0.251		4.1	
Pentachlorophenol	0.146	0.160		9.6	20.0
Terphenyl-d14	1.201	1.292		7.6	

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM Case No.: P2687 SAS No.: P2687 SDG No.: P2687

Instrument ID: BNA_P Calibration Date/Time: 06/05/2024 10:00

Lab File ID: BP020511.D Init. Calib. Date(s): 05/29/2024 05/29/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 15:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Pyridine	1.269	1.259		-0.8	
2-Fluorophenol	1.117	1.216		8.9	
Phenol-d6	1.575	1.493		-5.2	
1,4-Dichlorobenzene	1.499	1.539		2.7	20.0
2-Methylphenol	1.095	0.983		-10.2	
3+4-Methylphenols	1.489	1.301		-12.6	
Nitrobenzene-d5	0.365	0.402		10.1	
Hexachloroethane	0.548	0.550		0.4	
Nitrobenzene	0.371	0.398		7.3	
Hexachlorobutadiene	0.215	0.246		14.4	20.0
2,4,6-Trichlorophenol	0.350	0.416		18.9	20.0
2-Fluorobiphenyl	1.342	1.497		11.6	
2,4,5-Trichlorophenol	0.404	0.458		13.4	
2,4-Dinitrotoluene	0.396	0.421		6.3	
2,4,6-Tribromophenol	0.208	0.237		13.9	
Hexachlorobenzene	0.241	0.259		7.5	
Pentachlorophenol	0.146	0.169		15.8	20.0
Terphenyl-d14	1.201	1.043		-13.2	

All other compounds must meet a minimum RRF of 0.010.