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

DATA PACKAGE

VOLATILE ORGANICS
GENERAL CHEMISTRY
METALS
GC SEMI-VOLATILES
SEMI-VOLATILE ORGANICS

PROJECT NAME : VICTORY LAYDOWN YARD

PSEG

80 Park Plaza

Newark, NJ - 07102

Phone No: 973-430-7000

ORDER ID : P2687

ATTENTION : John Kieffer

Laboratory Certification ID # 20012

Table Of Contents for P2687

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Cover Page

Order ID : P2687

Project ID : Victory Laydown Yard

Client : PSEG

Lab Sample Number	Client Sample Number
P2687-01	VNJ-223
P2687-02	VNJ-223-E2
P2687-03	VNJ-223
P2687-04	72-11977
P2687-05	72-11977-E2
P2687-06	72-11977
P2687-07	72-11998
P2687-08	72-11998-E2
P2687-09	72-11998

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 3/5/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers **"P"** for ICP instrument **"PM"** for ICP when Microwave Digestion is used **"CV"** for Manual Cold Vapor AA **"AV"** for automated Cold Vapor AA **"CA"** for MIDI-Distillation Spectrophotometric **"AS"** for Semi –Automated Spectrophotometric **"C"** for Manual Spectrophotometric **"T"** for Titrimetric **"NR"** for analyte not required to be analyzed
OR	Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P2687

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: NIMISHA PANDYA **Date:** 03/05/2025

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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**
			VOC-TCLVOA-10	8260D			06/04/24	
P2687-03	**VNJ-223**	**TCLP**			**05/31/24**			**05/31/24**
			TCLP VOA	8260D			06/03/24	
P2687-04	**72-11977**	**SOIL**			**05/31/24**			**05/31/24**
			VOC-TCLVOA-10	8260D			06/04/24	
P2687-06	**72-11977**	**TCLP**			**05/31/24**			**05/31/24**
			TCLP VOA	8260D			06/03/24	
P2687-07	**72-11998**	**SOIL**			**05/31/24**			**05/31/24**
			VOC-TCLVOA-10	8260D			06/04/24	
P2687-09	**72-11998**	**TCLP**			**05/31/24**			**05/31/24**
			TCLP VOA	8260D			06/03/24	

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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:	**VNJ-223**							
P2687-03	VNJ-223	TCLP	2-Butanone	0.018	J	0.0013	0.025	mg/L
			Total Voc :	0.018				
			Total Concentration:	0.018				
Client ID:	**72-11977**							
P2687-06	72-11977	TCLP	2-Butanone	0.019	J	0.0013	0.025	mg/L
			Total Voc :	0.019				
			Total Concentration:	0.019				
Client ID:	**72-11998**							
P2687-09	72-11998	TCLP	2-Butanone	0.019	J	0.0013	0.025	mg/L
			Total Voc :	0.019				
			Total Concentration:	0.019				

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:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX041711.D	1		06/03/24 17:51	VX060324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.0050	U	0.00034	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.0050	U	0.00026	0.0050	mg/L
78-93-3	2-Butanone	0.018	J	0.0013	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.0050	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.0050	U	0.00026	0.0050	mg/L
71-43-2	Benzene	0.0050	U	0.00016	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.0050	U	0.00024	0.0050	mg/L
79-01-6	Trichloroethene	0.0050	U	0.00032	0.0050	mg/L
127-18-4	Tetrachloroethene	0.0050	U	0.00025	0.0050	mg/L
108-90-7	Chlorobenzene	0.0050	U	0.00013	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.0		74 - 125	90%	SPK: 50
1868-53-7	Dibromofluoromethane	44.4		75 - 124	89%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.9		64 - 133	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	147000	5.55			
540-36-3	1,4-Difluorobenzene	221000	6.763			
3114-55-4	Chlorobenzene-d5	224000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	114000	12.024			

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:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX041712.D	1		06/03/24 18:14	VX060324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.0050	U	0.00034	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.0050	U	0.00026	0.0050	mg/L
78-93-3	2-Butanone	0.019	J	0.0013	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.0050	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.0050	U	0.00026	0.0050	mg/L
71-43-2	Benzene	0.0050	U	0.00016	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.0050	U	0.00024	0.0050	mg/L
79-01-6	Trichloroethene	0.0050	U	0.00032	0.0050	mg/L
127-18-4	Tetrachloroethene	0.0050	U	0.00025	0.0050	mg/L
108-90-7	Chlorobenzene	0.0050	U	0.00013	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	49.6		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		64 - 133	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	137000	5.55			
540-36-3	1,4-Difluorobenzene	207000	6.763			
3114-55-4	Chlorobenzene-d5	206000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.024			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX041713.D	1		06/03/24 18:38	VX060324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.0050	U	0.00034	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.0050	U	0.00026	0.0050	mg/L
78-93-3	2-Butanone	0.019	J	0.0013	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.0050	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.0050	U	0.00026	0.0050	mg/L
71-43-2	Benzene	0.0050	U	0.00016	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.0050	U	0.00024	0.0050	mg/L
79-01-6	Trichloroethene	0.0050	U	0.00032	0.0050	mg/L
127-18-4	Tetrachloroethene	0.0050	U	0.00025	0.0050	mg/L
108-90-7	Chlorobenzene	0.0050	U	0.00013	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.0		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	45.2		75 - 124	90%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.1		64 - 133	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	139000	5.55			
540-36-3	1,4-Difluorobenzene	209000	6.763			
3114-55-4	Chlorobenzene-d5	210000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	102000	12.024			

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

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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

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Surrogate Summary

SDG No.: P2687

Client: PSEG

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P2687-03	VNJ-223	1,2-Dichloroethane-d4	50	45.0	90	74	125
		Dibromofluoromethane	50	44.4	89	75	124
		Toluene-d8	50	49.3	99	86	113
		4-Bromofluorobenzene	50	51.9	104	64	133
P2687-06	72-11977	1,2-Dichloroethane-d4	50	47.0	94	74	125
		Dibromofluoromethane	50	45.5	91	75	124
		Toluene-d8	50	49.6	99	86	113
		4-Bromofluorobenzene	50	50.9	102	64	133
P2687-09	72-11998	1,2-Dichloroethane-d4	50	46.0	92	74	125
		Dibromofluoromethane	50	45.2	90	75	124
		Toluene-d8	50	49.9	100	86	113
		4-Bromofluorobenzene	50	51.1	102	64	133

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Surrogate Summary

SDG No.: P2687

Client: PSEG

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VX0603WBL01	VX0603WBL01	1,2-Dichloroethane-d4	50	46.7	93	74	125
		Dibromofluoromethane	50	46.2	92	75	124
		Toluene-d8	50	49.7	99	86	113
		4-Bromofluorobenzene	50	50.8	102	64	133
VX0603WBS01	VX0603WBS01	1,2-Dichloroethane-d4	50	45.9	92	74	125
		Dibromofluoromethane	50	45.4	91	75	124
		Toluene-d8	50	47.2	94	86	113
		4-Bromofluorobenzene	50	46.7	93	64	133
VX0603WBSD0	VX0603WBSD01	1,2-Dichloroethane-d4	50	47.0	94	74	125
		Dibromofluoromethane	50	45.7	91	75	124
		Toluene-d8	50	46.7	93	86	113
		4-Bromofluorobenzene	50	47.2	94	64	133

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P2687

Client: PSEG

Analytical Method: SW8260-Low **Datafile :** VX041696.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0603WBS01	Vinyl chloride	20	19.2	ug/L	96			65	117	
	1,1-Dichloroethene	20	18.5	ug/L	93			74	110	
	2-Butanone	100	98.6	ug/L	99			65	122	
	Carbon Tetrachloride	20	19.1	ug/L	96			77	113	
	Chloroform	20	19.2	ug/L	96			79	113	
	Benzene	20	19.2	ug/L	96			82	109	
	1,2-Dichloroethane	20	19.2	ug/L	96			80	115	
	Trichloroethene	20	19.0	ug/L	95			77	113	
	Tetrachloroethene	20	18.9	ug/L	95			67	123	
	Chlorobenzene	20	19.2	ug/L	96			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P2687

Client: PSEG

Analytical Method: SW8260-Low **Datafile :** VX041697.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0603WBSD01	Vinyl chloride	20	18.8	ug/L	94	2		65	117	20
	1,1-Dichloroethene	20	18.4	ug/L	92	1		74	110	20
	2-Butanone	100	110	ug/L	110	11		65	122	20
	Carbon Tetrachloride	20	19.1	ug/L	96	0		77	113	20
	Chloroform	20	19.4	ug/L	97	1		79	113	20
	Benzene	20	19.2	ug/L	96	0		82	109	20
	1,2-Dichloroethane	20	19.8	ug/L	99	3		80	115	20
	Trichloroethene	20	19.2	ug/L	96	1		77	113	20
	Tetrachloroethene	20	19.1	ug/L	96	1		67	123	20
	Chlorobenzene	20	19.2	ug/L	96	0		82	109	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0603WBL01

Lab Name: CHEMTECH Contract: PSEG03

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

Lab File ID: VX041695.D Lab Sample ID: VX0603WBL01

Date Analyzed: 06/03/2024 Time Analyzed: 11:33

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0603WBS01	VX0603WBS01	VX041696.D	06/03/2024
VX0603WBSD01	VX0603WBSD01	VX041697.D	06/03/2024
VNJ-223	P2687-03	VX041711.D	06/03/2024
72-11977	P2687-06	VX041712.D	06/03/2024
72-11998	P2687-09	VX041713.D	06/03/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PSEG03

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

Lab File ID: VX041661.D BFB Injection Date: 05/29/2024

Instrument ID: MSVOA_X BFB Injection Time: 08:43

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.7
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.8 (0.8) 1
174	50.0 - 100.0% of mass 95	96.8
175	5.0 - 9.0% of mass 174	7.1 (7.4) 1
176	95.0 - 101.0% of mass 174	92.1 (95.1) 1
177	5.0 - 9.0% of mass 176	6.3 (6.8) 2

1-Value is % mass 174 2-Value is % mass 176

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
VSTDICC001	VSTDICC001	VX041662.D	05/29/2024	09:34
VSTDICC005	VSTDICC005	VX041663.D	05/29/2024	09:56
VSTDICC020	VSTDICC020	VX041664.D	05/29/2024	10:19
VSTDICCC050	VSTDICCC050	VX041665.D	05/29/2024	10:42
VSTDICC100	VSTDICC100	VX041666.D	05/29/2024	11:06
VSTDICC150	VSTDICC150	VX041667.D	05/29/2024	11:29

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: PSEG03

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

Lab File ID: VX041692.D BFB Injection Date: 06/03/2024

Instrument ID: MSVOA_X BFB Injection Time: 09:42

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	50.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	1.2 (1.3) 1
174	50.0 - 100.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	7.2 (7.6) 1
176	95.0 - 101.0% of mass 174	91.1 (97.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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
VSTDCCC050	VSTDCCC050	VX041693.D	06/03/2024	10:12
VX0603WBL01	VX0603WBL01	VX041695.D	06/03/2024	11:33
VX0603WBS01	VX0603WBS01	VX041696.D	06/03/2024	11:58
VX0603WBSD01	VX0603WBSD01	VX041697.D	06/03/2024	12:23
VNJ-223	P2687-03	VX041711.D	06/03/2024	17:51
72-11977	P2687-06	VX041712.D	06/03/2024	18:14
72-11998	P2687-09	VX041713.D	06/03/2024	18:38

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PSEG03

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

Lab File ID: VX041693.D Date Analyzed: 06/03/2024

Instrument ID: MSVOA_X Time Analyzed: 10:12

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	193297	5.54	276794	6.76	251898	10.06
UPPER LIMIT	386594	6.044	553588	7.257	503796	10.555
LOWER LIMIT	96648.5	5.044	138397	6.257	125949	9.555
EPA SAMPLE NO.						
VNJ-223	147391	5.55	221379	6.76	223992	10.06
72-11977	136853	5.55	207171	6.76	206167	10.06
72-11998	138541	5.55	208976	6.76	210435	10.06
VX0603WBL01	143582	5.55	219058	6.76	217545	10.06
VX0603WBS01	185741	5.55	265322	6.76	244471	10.06
VX0603WBSD01	171384	5.54	245706	6.76	226177	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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 LOWER 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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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: PSEG03

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

Lab File ID: VX041693.D Date Analyzed: 06/03/2024

Instrument ID: MSVOA_X Time Analyzed: 10:12

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	142787	12.018				
UPPER LIMIT	285574	12.518				
LOWER LIMIT	71393.5	11.518				
EPA SAMPLE NO.						
VNJ-223	114199	12.02				
72-11977	101855	12.02				
72-11998	102157	12.02				
VX0603WBL01	111449	12.02				
VX0603WBS01	131481	12.02				
VX0603WBSD01	123243	12.02				

IS4 = 1,4-Dichlorobenzene-d4

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 LOWER 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:	VX0603WBL01	SDG No.:	P2687
Lab Sample ID:	VX0603WBL01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX041695.D	1		06/03/24 11:33	VX060324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.0010	U	0.00034	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.0010	U	0.00026	0.0010	mg/L
78-93-3	2-Butanone	0.0050	U	0.0013	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.0010	U	0.00025	0.0010	mg/L
67-66-3	Chloroform	0.0010	U	0.00026	0.0010	mg/L
71-43-2	Benzene	0.0010	U	0.00016	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.0010	U	0.00024	0.0010	mg/L
79-01-6	Trichloroethene	0.0010	U	0.00032	0.0010	mg/L
127-18-4	Tetrachloroethene	0.0010	U	0.00025	0.0010	mg/L
108-90-7	Chlorobenzene	0.0010	U	0.00013	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.7		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	46.2		75 - 124	92%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.8		64 - 133	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	144000	5.55			
540-36-3	1,4-Difluorobenzene	219000	6.757			
3114-55-4	Chlorobenzene-d5	218000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	111000	12.024			

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:	VX0603WBS01	SDG No.:	P2687
Lab Sample ID:	VX0603WBS01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX041696.D	1		06/03/24 11:58	VX060324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.019		0.00034	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.019		0.00026	0.0010	mg/L
78-93-3	2-Butanone	0.099		0.0013	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.019		0.00026	0.0010	mg/L
71-43-2	Benzene	0.019		0.00016	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.019		0.00024	0.0010	mg/L
79-01-6	Trichloroethene	0.019		0.00032	0.0010	mg/L
127-18-4	Tetrachloroethene	0.019		0.00025	0.0010	mg/L
108-90-7	Chlorobenzene	0.019		0.00013	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.9		74 - 125	92%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	47.2		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		64 - 133	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	186000	5.55			
540-36-3	1,4-Difluorobenzene	265000	6.757			
3114-55-4	Chlorobenzene-d5	244000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	131000	12.024			

U = Not Detected
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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:	VX0603WBSD01	SDG No.:	P2687
Lab Sample ID:	VX0603WBSD01	Matrix:	TCLP
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX041697.D	1		06/03/24 12:23	VX060324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.019		0.00034	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.018		0.00026	0.0010	mg/L
78-93-3	2-Butanone	0.11		0.0013	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.019		0.00026	0.0010	mg/L
71-43-2	Benzene	0.019		0.00016	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.020		0.00024	0.0010	mg/L
79-01-6	Trichloroethene	0.019		0.00032	0.0010	mg/L
127-18-4	Tetrachloroethene	0.019		0.00025	0.0010	mg/L
108-90-7	Chlorobenzene	0.019		0.00013	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.0		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	45.7		75 - 124	91%	SPK: 50
2037-26-5	Toluene-d8	46.7		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.2		64 - 133	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	5.544			
540-36-3	1,4-Difluorobenzene	246000	6.757			
3114-55-4	Chlorobenzene-d5	226000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	123000	12.024			

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
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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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PSEG03

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

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

Heated Purge: (Y/N) N Calibration Time(s): 09:34 11:29

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX041662.D RRF005 = VX041663.D RRF020 = VX041664.D
RRF050 = VX041665.D RRF100 = VX041666.D RRF150 = VX041667.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.490	0.547	0.484	0.481	0.487	0.473	0.493	5.4
1,1-Dichloroethene	0.437	0.473	0.430	0.439	0.451	0.445	0.446	3.4
2-Butanone	0.339	0.404	0.391	0.388	0.390	0.376	0.381	5.9
Carbon Tetrachloride	0.434	0.469	0.470	0.482	0.500	0.498	0.476	5.1
Chloroform	0.818	0.953	0.896	0.890	0.898	0.883	0.890	4.9
Benzene	1.218	1.388	1.320	1.311	1.317	1.296	1.308	4.2
1,2-Dichloroethane	0.443	0.534	0.493	0.492	0.488	0.480	0.488	6
Trichloroethene	0.324	0.370	0.352	0.358	0.366	0.365	0.356	4.7
Tetrachloroethene	0.359	0.396	0.381	0.366	0.379	0.369	0.375	3.5
Chlorobenzene	1.040	1.133	1.068	1.058	1.084	1.056	1.073	3.1
1,2-Dichloroethane-d4		0.743	0.555	0.601	0.586	0.580	0.613	12.1
Dibromofluoromethane		0.397	0.316	0.339	0.340	0.337	0.346	8.7
Toluene-d8		1.310	1.121	1.215	1.202	1.191	1.208	5.6
4-Bromofluorobenzene		0.443	0.408	0.454	0.466	0.458	0.446	5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PSEG03

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

Instrument ID: MSVOA_X Calibration Date/Time: 06/03/2024 10:12

Lab File ID: VX041693.D Init. Calib. Date(s): 05/29/2024 05/29/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:34 11:29

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.493	0.470		-4.66	20
1,1-Dichloroethene	0.446	0.419		-6.05	20
2-Butanone	0.381	0.394		3.41	20
Carbon Tetrachloride	0.476	0.464		-2.52	20
Chloroform	0.890	0.841		-5.51	20
Benzene	1.308	1.247		-4.66	20
1,2-Dichloroethane	0.488	0.464		-4.92	20
Trichloroethene	0.356	0.340		-4.49	20
Tetrachloroethene	0.375	0.360		-4	20
Chlorobenzene	1.073	1.029	0.3	-4.1	20
1,2-Dichloroethane-d4	0.613	0.576		-6.04	20
Dibromofluoromethane	0.346	0.331		-4.34	20
Toluene-d8	1.208	1.166		-3.48	20
4-Bromofluorobenzene	0.446	0.439		-1.57	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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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
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:	72-11998			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
* = 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:	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
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* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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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	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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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: 06/04/2024 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.

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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**
			Mercury	7471B		06/04/24	06/04/24	
			Metals ICP-TAL	6010D		06/03/24	06/04/24	
P2687-03	**VNJ-223**	**TCLP**			**05/31/24**			**05/31/24**
			TCLP Mercury	7470A		06/04/24	06/05/24	
			TCLPMetals Group1	6010D		06/03/24	06/03/24	
P2687-04	**72-11977**	**SOIL**			**05/31/24**			**05/31/24**
			Mercury	7471B		06/04/24	06/04/24	
			Metals ICP-TAL	6010D		06/03/24	06/04/24	
P2687-06	**72-11977**	**TCLP**			**05/31/24**			**05/31/24**
			TCLP Mercury	7470A		06/04/24	06/05/24	
			TCLPMetals Group1	6010D		06/03/24	06/03/24	
P2687-07	**72-11998**	**SOIL**			**05/31/24**			**05/31/24**
			Mercury	7471B		06/04/24	06/04/24	
			Metals ICP-TAL	6010D		06/03/24	06/04/24	
P2687-09	**72-11998**	**TCLP**			**05/31/24**			**05/31/24**
			TCLP Mercury	7470A		06/04/24	06/05/24	
			TCLPMetals Group1	6010D		06/03/24	06/03/24	

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Hit Summary Sheet
SW-846

SDG No.: P2687 **Order ID:** P2687

Client: PSEG **Project ID:** Victory Laydown Yard

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : VNJ-223								
P2687-03	VNJ-223	TCLP	Barium	2340		62.8	500	ug/L
P2687-03	VNJ-223	TCLP	Cadmium	5.80	J	0.94	30.0	ug/L
P2687-03	VNJ-223	TCLP	Nickel	20.2	J	8.50	200	ug/L
P2687-03	VNJ-223	TCLP	Silver	6.00	J	5.80	50.0	ug/L
P2687-03	VNJ-223	TCLP	Zinc	443		17.5	200	ug/L
Client ID : 72-11977								
P2687-06	72-11977	TCLP	Barium	2940		62.8	500	ug/L
P2687-06	72-11977	TCLP	Cadmium	3.01	J	0.94	30.0	ug/L
P2687-06	72-11977	TCLP	Nickel	30.8	J	8.50	200	ug/L
P2687-06	72-11977	TCLP	Zinc	358		17.5	200	ug/L
Client ID : 72-11998								
P2687-09	72-11998	TCLP	Barium	2560		62.8	500	ug/L
P2687-09	72-11998	TCLP	Cadmium	3.66	J	0.94	30.0	ug/L
P2687-09	72-11998	TCLP	Nickel	65.8	J	8.50	200	ug/L
P2687-09	72-11998	TCLP	Silver	7.91	J	5.80	50.0	ug/L
P2687-09	72-11998	TCLP	Zinc	547		17.5	200	ug/L

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
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	100	U	1	34.8	100	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050
7440-39-3	Barium	2340		1	62.8	500	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050
7440-43-9	Cadmium	5.80	J	1	0.94	30.0	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050
7440-47-3	Chromium	50.0	U	1	6.60	50.0	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050
7440-50-8	Copper	100	U	1	70.7	100	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050
7439-92-1	Lead	60.0	U	1	35.1	60.0	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050
7439-97-6	Mercury	2.00	U	1	0.81	2.00	ug/L	06/04/24 13:05	06/05/24 13:12	SW7470A	
7440-02-0	Nickel	20.2	J	1	8.50	200	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050
7782-49-2	Selenium	100	U	1	58.8	100	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050
7440-22-4	Silver	6.00	J	1	5.80	50.0	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050
7440-66-6	Zinc	443		1	17.5	200	ug/L	06/03/24 11:45	06/03/24 17:05	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Full Waste Calssificatioin-TCLP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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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
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	100	U	1	34.8	100	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050
7440-39-3	Barium	2940		1	62.8	500	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050
7440-43-9	Cadmium	3.01	J	1	0.94	30.0	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050
7440-47-3	Chromium	50.0	U	1	6.60	50.0	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050
7440-50-8	Copper	100	U	1	70.7	100	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050
7439-92-1	Lead	60.0	U	1	35.1	60.0	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050
7439-97-6	Mercury	2.00	U	1	0.81	2.00	ug/L	06/04/24 13:05	06/05/24 13:15	SW7470A	
7440-02-0	Nickel	30.8	J	1	8.50	200	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050
7782-49-2	Selenium	100	U	1	58.8	100	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050
7440-22-4	Silver	50.0	U	1	5.80	50.0	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050
7440-66-6	Zinc	358		1	17.5	200	ug/L	06/03/24 11:45	06/03/24 17:10	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Full Waste Calssificatioin-TCLP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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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
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	100	U	1	34.8	100	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050
7440-39-3	Barium	2560		1	62.8	500	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050
7440-43-9	Cadmium	3.66	J	1	0.94	30.0	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050
7440-47-3	Chromium	50.0	U	1	6.60	50.0	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050
7440-50-8	Copper	100	U	1	70.7	100	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050
7439-92-1	Lead	60.0	U	1	35.1	60.0	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050
7439-97-6	Mercury	2.00	U	1	0.81	2.00	ug/L	06/04/24 13:05	06/05/24 13:17	SW7470A	
7440-02-0	Nickel	65.8	J	1	8.50	200	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050
7782-49-2	Selenium	100	U	1	58.8	100	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050
7440-22-4	Silver	7.91	J	1	5.80	50.0	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050
7440-66-6	Zinc	547		1	17.5	200	ug/L	06/03/24 11:45	06/03/24 17:36	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Full Waste Calssificatioin-TCLP				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV75	Mercury	4.08	4.0	102	90 - 110	CV	06/05/2024	12:11	LB131063

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV84	Mercury	4.95	5.0	99	90 - 110	CV	06/05/2024	12:21	LB131063
CCV85	Mercury	5.11	5.0	102	90 - 110	CV	06/05/2024	13:03	LB131063
CCV86	Mercury	4.84	5.0	97	90 - 110	CV	06/05/2024	13:41	LB131063
CCV87	Mercury	4.69	5.0	94	90 - 110	CV	06/05/2024	14:19	LB131063

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	1010	1000	101	90 - 110	P	06/03/2024	12:04	LB131042
	Barium	493	520	95	90 - 110	P	06/03/2024	12:04	LB131042
	Cadmium	495	510	97	90 - 110	P	06/03/2024	12:04	LB131042
	Chromium	510	520	98	90 - 110	P	06/03/2024	12:04	LB131042
	Copper	502	510	98	90 - 110	P	06/03/2024	12:04	LB131042
	Lead	987	1000	99	90 - 110	P	06/03/2024	12:04	LB131042
	Nickel	486	530	92	90 - 110	P	06/03/2024	12:04	LB131042
	Selenium	1020	1000	102	90 - 110	P	06/03/2024	12:04	LB131042
	Silver	247	250	99	90 - 110	P	06/03/2024	12:04	LB131042
	Zinc	1040	1000	104	90 - 110	P	06/03/2024	12:04	LB131042

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	18.2	20.0	91	80 - 120	P	06/03/2024	12:18	LB131042
	Barium	100	100	100	80 - 120	P	06/03/2024	12:18	LB131042
	Cadmium	6.11	6.0	102	80 - 120	P	06/03/2024	12:18	LB131042
	Chromium	9.48	10.0	95	80 - 120	P	06/03/2024	12:18	LB131042
	Copper	20.3	20.0	102	80 - 120	P	06/03/2024	12:18	LB131042
	Lead	12.7	12.0	105	80 - 120	P	06/03/2024	12:18	LB131042
	Nickel	38.5	40.0	96	80 - 120	P	06/03/2024	12:18	LB131042
	Selenium	19.4	20.0	97	80 - 120	P	06/03/2024	12:18	LB131042
	Silver	10.4	10.0	104	80 - 120	P	06/03/2024	12:18	LB131042
	Zinc	42.9	40.0	107	80 - 120	P	06/03/2024	12:18	LB131042

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	4870	5000	97	90 - 110	P	06/03/2024	12:46	LB131042
	Barium	9760	10000	98	90 - 110	P	06/03/2024	12:46	LB131042
	Cadmium	2420	2500	97	90 - 110	P	06/03/2024	12:46	LB131042
	Chromium	954	1000	95	90 - 110	P	06/03/2024	12:46	LB131042
	Copper	1220	1250	98	90 - 110	P	06/03/2024	12:46	LB131042
	Lead	4900	5000	98	90 - 110	P	06/03/2024	12:46	LB131042
	Nickel	2430	2500	97	90 - 110	P	06/03/2024	12:46	LB131042
	Selenium	4880	5000	98	90 - 110	P	06/03/2024	12:46	LB131042
	Silver	1180	1250	95	90 - 110	P	06/03/2024	12:46	LB131042
	Zinc	2480	2500	99	90 - 110	P	06/03/2024	12:46	LB131042
CCV02	Arsenic	4790	5000	96	90 - 110	P	06/03/2024	13:44	LB131042
	Barium	9550	10000	96	90 - 110	P	06/03/2024	13:44	LB131042
	Cadmium	2370	2500	95	90 - 110	P	06/03/2024	13:44	LB131042
	Chromium	927	1000	93	90 - 110	P	06/03/2024	13:44	LB131042
	Copper	1200	1250	96	90 - 110	P	06/03/2024	13:44	LB131042
	Lead	4830	5000	97	90 - 110	P	06/03/2024	13:44	LB131042
	Nickel	2380	2500	95	90 - 110	P	06/03/2024	13:44	LB131042
	Selenium	4830	5000	97	90 - 110	P	06/03/2024	13:44	LB131042
	Silver	1160	1250	92	90 - 110	P	06/03/2024	13:44	LB131042
	Zinc	2420	2500	97	90 - 110	P	06/03/2024	13:44	LB131042
CCV03	Arsenic	4710	5000	94	90 - 110	P	06/03/2024	14:37	LB131042
	Barium	9560	10000	96	90 - 110	P	06/03/2024	14:37	LB131042
	Cadmium	2360	2500	94	90 - 110	P	06/03/2024	14:37	LB131042
	Chromium	915	1000	92	90 - 110	P	06/03/2024	14:37	LB131042
	Copper	1180	1250	94	90 - 110	P	06/03/2024	14:37	LB131042
	Lead	4770	5000	95	90 - 110	P	06/03/2024	14:37	LB131042
	Nickel	2360	2500	94	90 - 110	P	06/03/2024	14:37	LB131042
	Selenium	4770	5000	95	90 - 110	P	06/03/2024	14:37	LB131042
	Silver	1130	1250	91	90 - 110	P	06/03/2024	14:37	LB131042
	Zinc	2350	2500	94	90 - 110	P	06/03/2024	14:37	LB131042
CCV04	Arsenic	4940	5000	99	90 - 110	P	06/03/2024	15:34	LB131042
	Barium	10100	10000	101	90 - 110	P	06/03/2024	15:34	LB131042
	Cadmium	2460	2500	98	90 - 110	P	06/03/2024	15:34	LB131042
	Chromium	967	1000	97	90 - 110	P	06/03/2024	15:34	LB131042

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Copper	1230	1250	99	90 - 110	P	06/03/2024	15:34	LB131042
	Lead	5000	5000	100	90 - 110	P	06/03/2024	15:34	LB131042
	Nickel	2480	2500	99	90 - 110	P	06/03/2024	15:34	LB131042
	Selenium	4970	5000	100	90 - 110	P	06/03/2024	15:34	LB131042
	Silver	1180	1250	94	90 - 110	P	06/03/2024	15:34	LB131042
	Zinc	2460	2500	99	90 - 110	P	06/03/2024	15:34	LB131042
CCV05	Arsenic	4680	5000	94	90 - 110	P	06/03/2024	16:20	LB131042
	Barium	9730	10000	97	90 - 110	P	06/03/2024	16:20	LB131042
	Cadmium	2340	2500	94	90 - 110	P	06/03/2024	16:20	LB131042
	Chromium	923	1000	92	90 - 110	P	06/03/2024	16:20	LB131042
	Copper	1160	1250	93	90 - 110	P	06/03/2024	16:20	LB131042
	Lead	4750	5000	95	90 - 110	P	06/03/2024	16:20	LB131042
	Nickel	2340	2500	94	90 - 110	P	06/03/2024	16:20	LB131042
	Selenium	4710	5000	94	90 - 110	P	06/03/2024	16:20	LB131042
	Silver	1130	1250	90	90 - 110	P	06/03/2024	16:20	LB131042
	Zinc	2370	2500	95	90 - 110	P	06/03/2024	16:20	LB131042
CCV06	Arsenic	5020	5000	100	90 - 110	P	06/03/2024	17:27	LB131042
	Barium	10100	10000	101	90 - 110	P	06/03/2024	17:27	LB131042
	Cadmium	2470	2500	99	90 - 110	P	06/03/2024	17:27	LB131042
	Chromium	946	1000	95	90 - 110	P	06/03/2024	17:27	LB131042
	Copper	1240	1250	99	90 - 110	P	06/03/2024	17:27	LB131042
	Lead	5060	5000	101	90 - 110	P	06/03/2024	17:27	LB131042
	Nickel	2480	2500	99	90 - 110	P	06/03/2024	17:27	LB131042
	Selenium	5050	5000	101	90 - 110	P	06/03/2024	17:27	LB131042
	Silver	1170	1250	93	90 - 110	P	06/03/2024	17:27	LB131042
	Zinc	2520	2500	101	90 - 110	P	06/03/2024	17:27	LB131042
CCV07	Arsenic	5040	5000	101	90 - 110	P	06/03/2024	18:35	LB131042
	Barium	10600	10000	106	90 - 110	P	06/03/2024	18:35	LB131042
	Cadmium	2470	2500	99	90 - 110	P	06/03/2024	18:35	LB131042
	Chromium	959	1000	96	90 - 110	P	06/03/2024	18:35	LB131042
	Copper	1240	1250	100	90 - 110	P	06/03/2024	18:35	LB131042
	Lead	5140	5000	103	90 - 110	P	06/03/2024	18:35	LB131042
	Nickel	2490	2500	100	90 - 110	P	06/03/2024	18:35	LB131042
	Selenium	5060	5000	101	90 - 110	P	06/03/2024	18:35	LB131042

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV07	Silver	1190	1250	95	90 - 110	P	06/03/2024	18:35	LB131042
	Zinc	2600	2500	104	90 - 110	P	06/03/2024	18:35	LB131042

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Arsenic	17.1	20.0	85	40 - 160	P	06/03/2024	12:28	LB131042
	Barium	99.1	100	99	40 - 160	P	06/03/2024	12:28	LB131042
	Cadmium	6.33	6.0	106	40 - 160	P	06/03/2024	12:28	LB131042
	Chromium	9.51	10.0	95	40 - 160	P	06/03/2024	12:28	LB131042
	Copper	21.1	20.0	105	40 - 160	P	06/03/2024	12:28	LB131042
	Lead	12.2	12.0	102	40 - 160	P	06/03/2024	12:28	LB131042
	Nickel	40.3	40.0	101	40 - 160	P	06/03/2024	12:28	LB131042
	Selenium	19.6	20.0	98	40 - 160	P	06/03/2024	12:28	LB131042
	Silver	10.6	10.0	106	40 - 160	P	06/03/2024	12:28	LB131042
	Zinc	44.9	40.0	112	40 - 160	P	06/03/2024	12:28	LB131042
CRA	Mercury	0.15	0.2	76	40 - 160	CV	06/05/2024	12:38	LB131063

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB75	Mercury	0.20	+/-0.20	U	0.20	CV	06/05/2024	12:14	LB131063

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB84	Mercury	0.20	+/-0.20	U	0.20	CV	06/05/2024	12:23	LB131063
CCB85	Mercury	0.20	+/-0.20	U	0.20	CV	06/05/2024	13:05	LB131063
CCB86	Mercury	0.20	+/-0.20	U	0.20	CV	06/05/2024	13:43	LB131063
CCB87	Mercury	0.20	+/-0.20	U	0.20	CV	06/05/2024	14:21	LB131063

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	06/03/2024	12:23	LB131042
	Barium	100	+/-100	U	100	P	06/03/2024	12:23	LB131042
	Cadmium	6.00	+/-6.00	U	6.00	P	06/03/2024	12:23	LB131042
	Chromium	10.0	+/-10.0	U	10.0	P	06/03/2024	12:23	LB131042
	Copper	20.0	+/-20.0	U	20.0	P	06/03/2024	12:23	LB131042
	Lead	12.0	+/-12.0	U	12.0	P	06/03/2024	12:23	LB131042
	Nickel	40.0	+/-40.0	U	40.0	P	06/03/2024	12:23	LB131042
	Selenium	20.0	+/-20.0	U	20.0	P	06/03/2024	12:23	LB131042
	Silver	10.0	+/-10.0	U	10.0	P	06/03/2024	12:23	LB131042
	Zinc	40.0	+/-40.0	U	40.0	P	06/03/2024	12:23	LB131042

Alliance TECHNICAL GROUP
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	06/03/2024	12:50	LB131042
	Barium	100	+/-100	U	100	P	06/03/2024	12:50	LB131042
	Cadmium	6.00	+/-6.00	U	6.00	P	06/03/2024	12:50	LB131042
	Chromium	10.0	+/-10.0	U	10.0	P	06/03/2024	12:50	LB131042
	Copper	20.0	+/-20.0	U	20.0	P	06/03/2024	12:50	LB131042
	Lead	12.0	+/-12.0	U	12.0	P	06/03/2024	12:50	LB131042
	Nickel	40.0	+/-40.0	U	40.0	P	06/03/2024	12:50	LB131042
	Selenium	20.0	+/-20.0	U	20.0	P	06/03/2024	12:50	LB131042
	Silver	10.0	+/-10.0	U	10.0	P	06/03/2024	12:50	LB131042
	Zinc	40.0	+/-40.0	U	40.0	P	06/03/2024	12:50	LB131042
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	06/03/2024	13:48	LB131042
	Barium	100	+/-100	U	100	P	06/03/2024	13:48	LB131042
	Cadmium	6.00	+/-6.00	U	6.00	P	06/03/2024	13:48	LB131042
	Chromium	10.0	+/-10.0	U	10.0	P	06/03/2024	13:48	LB131042
	Copper	20.0	+/-20.0	U	20.0	P	06/03/2024	13:48	LB131042
	Lead	12.0	+/-12.0	U	12.0	P	06/03/2024	13:48	LB131042
	Nickel	40.0	+/-40.0	U	40.0	P	06/03/2024	13:48	LB131042
	Selenium	20.0	+/-20.0	U	20.0	P	06/03/2024	13:48	LB131042
	Silver	10.0	+/-10.0	U	10.0	P	06/03/2024	13:48	LB131042
	Zinc	40.0	+/-40.0	U	40.0	P	06/03/2024	13:48	LB131042
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	06/03/2024	14:47	LB131042
	Barium	100	+/-100	U	100	P	06/03/2024	14:47	LB131042
	Cadmium	6.00	+/-6.00	U	6.00	P	06/03/2024	14:47	LB131042
	Chromium	10.0	+/-10.0	U	10.0	P	06/03/2024	14:47	LB131042
	Copper	20.0	+/-20.0	U	20.0	P	06/03/2024	14:47	LB131042
	Lead	12.0	+/-12.0	U	12.0	P	06/03/2024	14:47	LB131042
	Nickel	40.0	+/-40.0	U	40.0	P	06/03/2024	14:47	LB131042
	Selenium	20.0	+/-20.0	U	20.0	P	06/03/2024	14:47	LB131042
	Silver	10.0	+/-10.0	U	10.0	P	06/03/2024	14:47	LB131042
	Zinc	40.0	+/-40.0	U	40.0	P	06/03/2024	14:47	LB131042
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	06/03/2024	15:38	LB131042
	Barium	100	+/-100	U	100	P	06/03/2024	15:38	LB131042
	Cadmium	6.00	+/-6.00	U	6.00	P	06/03/2024	15:38	LB131042
	Chromium	10.0	+/-10.0	U	10.0	P	06/03/2024	15:38	LB131042
	Copper	20.0	+/-20.0	U	20.0	P	06/03/2024	15:38	LB131042
	Lead	12.0	+/-12.0	U	12.0	P	06/03/2024	15:38	LB131042
	Nickel	40.0	+/-40.0	U	40.0	P	06/03/2024	15:38	LB131042
	Selenium	20.0	+/-20.0	U	20.0	P	06/03/2024	15:38	LB131042
	Silver	10.0	+/-10.0	U	10.0	P	06/03/2024	15:38	LB131042

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	40.0	+/-40.0	U	40.0	P	06/03/2024	15:38	LB131042
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	06/03/2024	16:24	LB131042
	Barium	100	+/-100	U	100	P	06/03/2024	16:24	LB131042
	Cadmium	6.00	+/-6.00	U	6.00	P	06/03/2024	16:24	LB131042
	Chromium	10.0	+/-10.0	U	10.0	P	06/03/2024	16:24	LB131042
	Copper	20.0	+/-20.0	U	20.0	P	06/03/2024	16:24	LB131042
	Lead	12.0	+/-12.0	U	12.0	P	06/03/2024	16:24	LB131042
	Nickel	40.0	+/-40.0	U	40.0	P	06/03/2024	16:24	LB131042
	Selenium	20.0	+/-20.0	U	20.0	P	06/03/2024	16:24	LB131042
	Silver	10.0	+/-10.0	U	10.0	P	06/03/2024	16:24	LB131042
	Zinc	40.0	+/-40.0	U	40.0	P	06/03/2024	16:24	LB131042
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	06/03/2024	17:31	LB131042
	Barium	100	+/-100	U	100	P	06/03/2024	17:31	LB131042
	Cadmium	6.00	+/-6.00	U	6.00	P	06/03/2024	17:31	LB131042
	Chromium	10.0	+/-10.0	U	10.0	P	06/03/2024	17:31	LB131042
	Copper	20.0	+/-20.0	U	20.0	P	06/03/2024	17:31	LB131042
	Lead	12.0	+/-12.0	U	12.0	P	06/03/2024	17:31	LB131042
	Nickel	40.0	+/-40.0	U	40.0	P	06/03/2024	17:31	LB131042
	Selenium	20.0	+/-20.0	U	20.0	P	06/03/2024	17:31	LB131042
	Silver	1.31	+/-10.0	J	10.0	P	06/03/2024	17:31	LB131042
	Zinc	40.0	+/-40.0	U	40.0	P	06/03/2024	17:31	LB131042
CCB07	Arsenic	20.0	+/-20.0	U	20.0	P	06/03/2024	18:39	LB131042
	Barium	100	+/-100	U	100	P	06/03/2024	18:39	LB131042
	Cadmium	6.00	+/-6.00	U	6.00	P	06/03/2024	18:39	LB131042
	Chromium	10.0	+/-10.0	U	10.0	P	06/03/2024	18:39	LB131042
	Copper	20.0	+/-20.0	U	20.0	P	06/03/2024	18:39	LB131042
	Lead	12.0	+/-12.0	U	12.0	P	06/03/2024	18:39	LB131042
	Nickel	40.0	+/-40.0	U	40.0	P	06/03/2024	18:39	LB131042
	Selenium	20.0	+/-20.0	U	20.0	P	06/03/2024	18:39	LB131042
	Silver	1.33	+/-10.0	J	10.0	P	06/03/2024	18:39	LB131042
	Zinc	40.0	+/-40.0	U	40.0	P	06/03/2024	18:39	LB131042

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number

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Metals
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PREPARATION BLANK SUMMARY

Client: PSEG **SDG No.:** P2687

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB161253TB		**WATER**		**Batch Number:**	**PB161315**		**Prep Date:**	**06/04/2024**	
	Mercury	2.00	<2.00	U	2.00	CV	06/05/2024	14:07	LB131063

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB161315BL		**WATER**		**Batch Number:**	**PB161315**		**Prep Date:**	**06/04/2024**	
	Mercury	0.20	<0.20	U	0.20	CV	06/05/2024	12:41	LB131063

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Metals
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PREPARATION BLANK SUMMARY

Client: PSEG **SDG No.:** P2687

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB161253TB		**WATER**		**Batch Number:**	**PB161289**		**Prep Date:**	**06/03/2024**	
	Arsenic	100	<100	U	100	P	06/03/2024	18:06	LB131042
	Barium	500	<500	U	500	P	06/03/2024	18:06	LB131042
	Cadmium	30.0	<30.0	U	30.0	P	06/03/2024	18:06	LB131042
	Chromium	22.7	<50.0	J	50.0	P	06/03/2024	18:06	LB131042
	Copper	100	<100	U	100	P	06/03/2024	18:06	LB131042
	Lead	60.0	<60.0	U	60.0	P	06/03/2024	18:06	LB131042
	Nickel	13.9	<200	J	200	P	06/03/2024	18:06	LB131042
	Selenium	100	<100	U	100	P	06/03/2024	18:06	LB131042
	Silver	6.98	<50.0	J	50.0	P	06/03/2024	18:06	LB131042
	Zinc	67.5	<200	J	200	P	06/03/2024	18:06	LB131042

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB161289BL		**WATER**		**Batch Number:**	**PB161289**		**Prep Date:**	**06/03/2024**	
	Arsenic	100	<100	U	100	P	06/03/2024	18:11	LB131042
	Barium	500	<500	U	500	P	06/03/2024	18:11	LB131042
	Cadmium	30.0	<30.0	U	30.0	P	06/03/2024	18:11	LB131042
	Chromium	50.0	<50.0	U	50.0	P	06/03/2024	18:11	LB131042
	Copper	100	<100	U	100	P	06/03/2024	18:11	LB131042
	Lead	60.0	<60.0	U	60.0	P	06/03/2024	18:11	LB131042
	Nickel	200	<200	U	200	P	06/03/2024	18:11	LB131042
	Selenium	100	<100	U	100	P	06/03/2024	18:11	LB131042
	Silver	6.51	<50.0	J	50.0	P	06/03/2024	18:11	LB131042
	Zinc	200	<200	U	200	P	06/03/2024	18:11	LB131042

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Metals
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INTERFERENCE CHECK SAMPLE

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	-5.16			-20	20	06/03/2024	12:33	LB131042
	Barium	5.98	6.0	100	-94	106	06/03/2024	12:33	LB131042
	Cadmium	3.49	1.0	349	-5	7	06/03/2024	12:33	LB131042
	Chromium	52.4	52.0	101	42	62	06/03/2024	12:33	LB131042
	Copper	-7.28	2.0	364	-18	22	06/03/2024	12:33	LB131042
	Lead	7.89			-12	12	06/03/2024	12:33	LB131042
	Nickel	3.18	2.0	159	-38	42	06/03/2024	12:33	LB131042
	Selenium	-17.4			-20	20	06/03/2024	12:33	LB131042
	Silver	-8.28			-10	10	06/03/2024	12:33	LB131042
	Zinc	1.38			-40	40	06/03/2024	12:33	LB131042
ICSAB01	Arsenic	103	104	99	88.4	120	06/03/2024	12:42	LB131042
	Barium	527	537	98	437	637	06/03/2024	12:42	LB131042
	Cadmium	1000	972	103	826	1120	06/03/2024	12:42	LB131042
	Chromium	523	542	96	460	624	06/03/2024	12:42	LB131042
	Copper	478	511	94	434	588	06/03/2024	12:42	LB131042
	Lead	54.6	49.0	111	37	61	06/03/2024	12:42	LB131042
	Nickel	977	954	102	810	1100	06/03/2024	12:42	LB131042
	Selenium	35.9	46.0	78	26	66	06/03/2024	12:42	LB131042
	Silver	190	201	94	170	232	06/03/2024	12:42	LB131042
	Zinc	1040	952	109	809	1095	06/03/2024	12:42	LB131042

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: PSEG **level:** low **sdg no.:** P2687

contract: PSEG03 **lab code:** CHEM **case no.:** P2687 **sas no.:** P2687

matrix: Water **sample id:** P2687-09 **client id:** 72-11998MS

Percent Solids for Sample: NA **Spiked ID:** P2687-09MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4060		100	U	4000	102		P
Barium	ug/L	75 - 125	3630		2560		1000	106		P
Cadmium	ug/L	75 - 125	952		3.66	J	1000	95		P
Chromium	ug/L	75 - 125	1710		50.0	U	2000	86		P
Copper	ug/L	75 - 125	1370		100	U	1500	91		P
Lead	ug/L	75 - 125	4870		60.0	U	5000	97		P
Mercury	ug/L	75 - 125	46.5		2.00	U	40.0	116		CV
Nickel	ug/L	75 - 125	2370		65.8	J	2500	92		P
Selenium	ug/L	75 - 125	10400		100	U	10000	104		P
Silver	ug/L	75 - 125	343		7.91	J	380	88		P
Zinc	ug/L	75 - 125	1590		547		1000	105		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: PSEG **level:** low **sdg no.:** P2687

contract: PSEG03 **lab code:** CHEM **case no.:** P2687 **sas no.:** P2687

matrix: Water **sample id:** P2687-09 **client id:** 72-11998MSD

Percent Solids for Sample: NA **Spiked ID:** P2687-09MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4130		100	U	4000	103		P
Barium	ug/L	75 - 125	3570		2560		1000	100		P
Cadmium	ug/L	75 - 125	964		3.66	J	1000	96		P
Chromium	ug/L	75 - 125	1670		50.0	U	2000	84		P
Copper	ug/L	75 - 125	1380		100	U	1500	92		P
Lead	ug/L	75 - 125	4930		60.0	U	5000	99		P
Mercury	ug/L	75 - 125	45.5		2.00	U	40.0	114		CV
Nickel	ug/L	75 - 125	2400		65.8	J	2500	93		P
Selenium	ug/L	75 - 125	10500		100	U	10000	105		P
Silver	ug/L	75 - 125	333		7.91	J	380	86		P
Zinc	ug/L	75 - 125	1570		547		1000	102		P

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Metals
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Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: PSEG **Level:** LOW **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Matrix: Water **Sample ID:** P2687-09 **Client ID:** 72-11998DUP

Percent Solids for Sample: NA **Duplicate ID** P2687-09DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	2560		2830		10		P
Cadmium	ug/L	20	3.66	J	3.81	J	4		P
Chromium	ug/L	20	50.0	U	50.0	U			P
Copper	ug/L	20	100	U	100	U			P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	2.00	U	2.00	U			CV
Nickel	ug/L	20	65.8	J	64.4	J	2		P
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	7.91	J	50.0	U	200.0		P
Zinc	ug/L	20	547		549		0		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: PSEG **Level:** LOW **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Matrix: Water **Sample ID:** P2687-09MS **Client ID:** 72-11998MSD

Percent Solids for Sample: NA **Duplicate ID** P2687-09MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4060		4130		2		P
Barium	ug/L	20	3630		3570		2		P
Cadmium	ug/L	20	952		964		1		P
Chromium	ug/L	20	1710		1670		2		P
Copper	ug/L	20	1370		1380		1		P
Lead	ug/L	20	4870		4930		1		P
Mercury	ug/L	20	46.5		45.5		2		CV
Nickel	ug/L	20	2370		2400		1		P
Selenium	ug/L	20	10400		10500		1		P
Silver	ug/L	20	343		333		3		P
Zinc	ug/L	20	1590		1570		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB161289BS							
Arsenic	ug/L	4000	3980		100	80 - 120	P
Barium	ug/L	1000	960		96	80 - 120	P
Cadmium	ug/L	1000	941		94	80 - 120	P
Chromium	ug/L	2000	1850		92	80 - 120	P
Copper	ug/L	1500	1450		97	80 - 120	P
Lead	ug/L	5000	4900		98	80 - 120	P
Nickel	ug/L	2500	2320		93	80 - 120	P
Selenium	ug/L	10000	9740		97	80 - 120	P
Silver	ug/L	380	344		90	80 - 120	P
Zinc	ug/L	1000	1020		102	80 - 120	P

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LABORATORY CONTROL SAMPLE SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB161315BS							
Mercury	ug/L	4.0	3.98		100	80 - 120	CV

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

72-11998L

Lab Name: Chemtech Consulting Group **Contract:** PSEG03

Lab Code: CHEM **Lb No.:** lb131042 **Lab Sample ID :** P2687-09L **SDG No.:** P2687

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Arsenic	100	U	500	U			P
Barium	2560		2680		4		P
Cadmium	3.66	J	150	U	100.0		P
Chromium	50.0	U	250	U			P
Copper	100	U	500	U			P
Lead	60.0	U	300	U			P
Mercury	2.00	U	10.0	U			CV
Nickel	65.8	J	63.1	J	4		P
Selenium	100	U	500	U			P
Silver	7.91	J	30.3	J	283		P
Zinc	547		514	J	6		P

METAL PREPARATION & INSTRUMENT DATA

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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ICP INTERELEMENT CORRECTION FACTORS

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

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Metals
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ICP INTERELEMENT CORRECTION FACTORS

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals

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LINEAR RANGES

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Case No.:** P2687 **SAS No.:** P2687

Instrument ID: P4 **Date:** 01/04/2018

Analyte	Integration Time (sec)	LDR ug/L
Arsenic	10	81000
Barium	10	90000
Cadmium	10	9000
Chromium	10	90000
Copper	10	333000
Lead	10	225000
Nickel	10	90000
Selenium	10	90000
Silver	10	9000
Zinc	10	45000

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Method:**

Case No.: P2687 **SAS No.:** P2687

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB161289**						
P2687-03	VNJ-223	SAM	WATER	06/03/2024	5.0	25.0	
P2687-06	72-11977	SAM	WATER	06/03/2024	5.0	25.0	
P2687-09	72-11998	SAM	WATER	06/03/2024	5.0	25.0	
P2687-09DUP	72-11998DUP	DUP	WATER	06/03/2024	5.0	25.0	
P2687-09MS	72-11998MS	MS	WATER	06/03/2024	5.0	25.0	
P2687-09MSD	72-11998MSD	MSD	WATER	06/03/2024	5.0	25.0	
PB161253TB	PB161253TB	MB	WATER	06/03/2024	5.0	25.0	
PB161289BL	PB161289BL	MB	WATER	06/03/2024	5.0	25.0	
PB161289BS	PB161289BS	LCS	WATER	06/03/2024	5.0	25.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: PSEG **SDG No.:** P2687

Contract: PSEG03 **Lab Code:** CHEM **Method:**

Case No.: P2687 **SAS No.:** P2687

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB161315**						
P2687-03	VNJ-223	SAM	WATER	06/04/2024	3.0	30.0	
P2687-06	72-11977	SAM	WATER	06/04/2024	3.0	30.0	
P2687-09	72-11998	SAM	WATER	06/04/2024	3.0	30.0	
P2687-09DUP	72-11998DUP	DUP	WATER	06/04/2024	3.0	30.0	
P2687-09MS	72-11998MS	MS	WATER	06/04/2024	3.0	30.0	
P2687-09MSD	72-11998MSD	MSD	WATER	06/04/2024	3.0	30.0	
PB161253TB	PB161253TB	MB	WATER	06/04/2024	3.0	30.0	
PB161315BL	PB161315BL	MB	WATER	06/04/2024	30.0	30.0	
PB161315BS	PB161315BS	LCS	WATER	06/04/2024	30.0	30.0	

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metals
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ANALYSIS RUN LOG

Client: PSEG **Contract:** PSEG03

Lab code: CHEM **Case no.:** P2687 **Sas no.:** P2687 **Sdg no.:** P2687

Instrument id number: **Method:** **Run number:** LB131042

Start date: 06/03/2024 **End date:** 06/03/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1136	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1141	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1145	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1149	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1154	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1200	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1204	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1218	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1223	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1228	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1233	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1242	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1246	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1250	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1344	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1348	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1437	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1447	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1534	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1538	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1620	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1624	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P2687-03	VNJ-223	1	1705	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P2687-06	72-11977	1	1710	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1727	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1731	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P2687-09	72-11998	1	1736	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P2687-09DUP	72-11998DUP	1	1740	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P2687-09L	72-11998L	5	1745	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P2687-09MS	72-11998MS	1	1749	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P2687-09MSD	72-11998MSD	1	1754	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB161253TB	PB161253TB	1	1806	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB161289BL	PB161289BL	1	1811	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB161289BS	PB161289BS	1	1816	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV07	CCV07	1	1835	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB07	CCB07	1	1839	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn

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metals
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ANALYSIS RUN LOG

Client: PSEG **Contract:** PSEG03

Lab code: CHEM **Case no.:** P2687 **Sas no.:** P2687 **Sdg no.:** P2687

Instrument id number: **Method:** **Run number:** LB131063

Start date: 06/05/2024 **End date:** 06/05/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1154	HG
S0.2	S0.2	1	1157	HG
S2.5	S2.5	1	1159	HG
S5	S5	1	1201	HG
S7.5	S7.5	1	1204	HG
S10	S10	1	1206	HG
ICV75	ICV75	1	1211	HG
ICB75	ICB75	1	1214	HG
CCV84	CCV84	1	1221	HG
CCB84	CCB84	1	1223	HG
CRA	CRA	1	1238	HG
PB161315BL	PB161315BL	1	1241	HG
PB161315BS	PB161315BS	1	1246	HG
CCV85	CCV85	1	1303	HG
CCB85	CCB85	1	1305	HG
P2687-03	VNJ-223	1	1312	HG
P2687-06	72-11977	1	1315	HG
P2687-09	72-11998	1	1317	HG
P2687-09DUP	72-11998DUP	1	1319	HG
P2687-09MS	72-11998MS	1	1321	HG
P2687-09MSD	72-11998MSD	1	1324	HG
CCV86	CCV86	1	1341	HG
CCB86	CCB86	1	1343	HG
PB161253TB	PB161253TB	1	1407	HG
P2687-09L	72-11998L	5	1410	HG
CCV87	CCV87	1	1419	HG
CCB87	CCB87	1	1421	HG

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO.
QUOTE NO. P2687
COC Number 2043772

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: PSEG
ADDRESS: 301 Victory AVE
CITY North Brunswick STATE: N.J. ZIP:
ATTENTION: John Kieffer
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Victory Haydown Yard
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY Same STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 3-Day TAT DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1 Full Waste (TCLP) 2 Ext (3) 3 VOA 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	VNJ 223 1	SOL	X		5.31.24	0910	5	X	X								PID=0.0
2.				X		0914	5			X							
3.	72-11977 1		X			0920	5	X	X								
4.				X		0924	5			X							
5.	72-11998 1		X			0950	5	X	X								
6.				X		0954	5			X							
7.																	
8.																	
9.																	
10.																	

COMMENTS ← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10:15 5.31.2024	1.
2.		2.
3.	1650 5.31.2024	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0 °C
Comments: Equal volume of soil used.

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

PSE&G
We make things work for you.

Service Order

Record ID: 6171185

John Kieffer_05/31/2024_Victory Laydown Yard_301 Victory Ave, North Brunswick, NJ_2549597

General Info

Date of Service:	05/31/2024	**Start Time:**	09:00	**Date Service Ended:**	05/31/2024
Project Coordinator:	John Kieffer	**Services SES:**			
Team Personnel #1:	John Kieffer	**Contact Number #1:**	908-328-8622		
Team Personnel #2:		**Contact Number #2:**			
Site Contact #3:		**Contact Number #3:**			

Site Name:	Victory Laydown Yard		
Site Address:	301 Victory Ave, North Brunswick, NJ		
Line of Business:	Projects & Construction	**Scheduler:**	EPS Scheduler
EP&S Invoice Contact:	John Kieffer	**EP&S Mgr/Sup:**	Jon Melito

Labor WBS/Order #					
Electric:		**Gas:**		**Compliance:**	
Regulatory Programs:		**Other:**			
Projects:	WO# 301357702				
Saftey Watcher Request:	No				
Special Instruction:					

Vendor Information

	Vendor #1	**Vendor #2**	**Vendor #3**
Vendor Name	CHEMTECH Consulting Group Inc.		
Waste/Activity	Soil Sampling & Analysis		
Vendor PO#	5000053492 (2024)		
Project Specific PO#			
Transporter			
Rec. Facility/Approval #	TBD		
Lab Results			
Ticket #/Confirmation #			

Detailed Job Description

Chemtech personnel to collect soil samples from three (3) 20 yd roll offs;

All 3 containers on site.

- Analysis: Full waste class, hex-chrome, 3 day TAT

Please call John Kieffer on arrival: 908-328-8622

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Victory Laydown Yard
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site:
Site Address: 301 Victory AVE, North Brunswick, N.J.

Chemtech Order ID:
Sampler Name: Lawrence Carter
Client Project Coordinator & Phone:

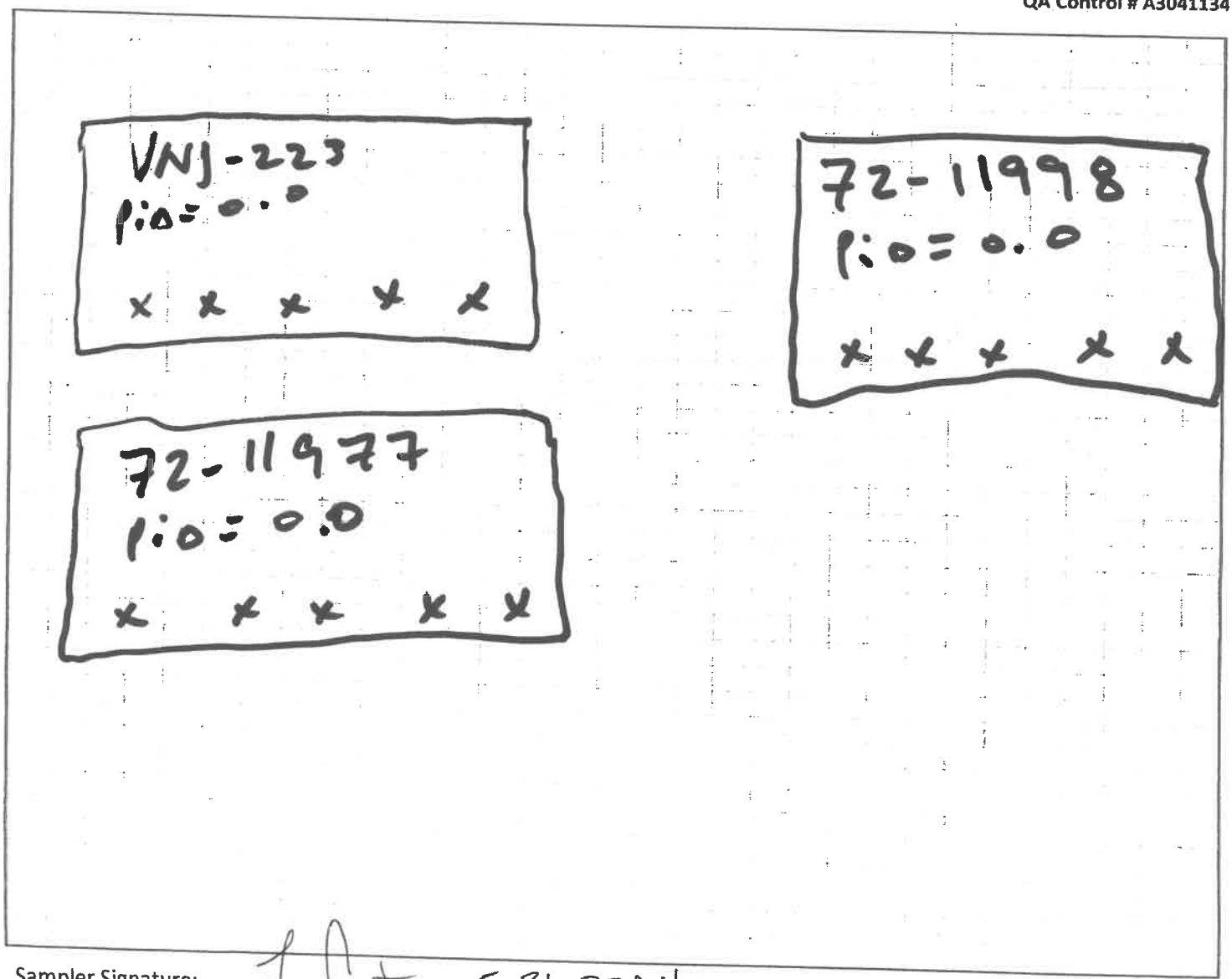
Page #: 1 of 1
Date: 5.31.2024
Arrive Time: 0848
Depart Time: 10:15.

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths:
Dimensions/CY:
Temp (range): °C PID Readings (range): 0.0 PPM Odor: Y / N Color Y / N
Sample Description: Brown soil, Rocks.
Field Observations: Sampled, VNJ 223, 72-11977, 72-11998.

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: L. Carter 5.31.2024
Supervisor Review/Date:
Client Signature:
Date/Time Arrived at Lab:

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488