

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

Hit Summary Sheet
SW-846

SDG No.: P2687
Client: PSEG

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID: P2687-03	VNJ-223 VNJ-223	TCLP	2-Butanone	0.018	J	0.0013	0.025	mg/L
			Total Voc :	0.018				
			Total Concentration:	0.018				
Client ID: P2687-06	72-11977 72-11977	TCLP	2-Butanone	0.019	J	0.0013	0.025	mg/L
			Total Voc :	0.019				
			Total Concentration:	0.019				
Client ID: P2687-09	72-11998 72-11998	TCLP	2-Butanone	0.019	J	0.0013	0.025	mg/L
			Total Voc :	0.019				
			Total Concentration:	0.019				



SAMPLE DATA

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

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			

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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			

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A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: P2687

Client: PSEG

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	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

Surrogate Summary

SDG No.: P2687

Client: PSEG

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits	
						Low	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

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	Low	Limits	RPD
									High	
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	

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	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

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: _____

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
VSTDIC001	VSTDIC001	VX041662.D	05/29/2024	09:34
VSTDIC005	VSTDIC005	VX041663.D	05/29/2024	09:56
VSTDIC020	VSTDIC020	VX041664.D	05/29/2024	10:19
VSTDIC050	VSTDIC050	VX041665.D	05/29/2024	10:42
VSTDIC100	VSTDIC100	VX041666.D	05/29/2024	11:06
VSTDIC150	VSTDIC150	VX041667.D	05/29/2024	11:29

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

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.

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

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

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			

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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			

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J = Estimated Value

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CALIBRATION SUMMARY

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	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.

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.