



June 14, 2019

Client: Perkins PWA

PO Box 9

Perkins, OK 74059

Requested By: Janet Noe



National Environmental Laboratory Accreditation Program  
Kansas CERT # E-10219

**Sample Project Name:** SDWIS Analysis

**Date Samples Received:** June 07, 2019      Time: 9:30      sample temp upon arrival at lab = 8°C - On Ice

**Matrix:** Solid

**Lab Log Numbers:** **BF07005-01**

**Work Order:** BF07005

**Report #** BF07005-0614191627

**EPA Lab ID#'s:** **Stillwater OK00092    Tulsa OK00983    OKC OK00129    ICR OK 001**

**Oklahoma Certification:** Stillwater WasteWater, DEQ 8316/ Drinking Water, DEQ D9602  
Tulsa WasteWater, DEQ 9905 / Drinking Water, DEQ D9901  
Oklahoma City WasteWater DEQ 7202 / Drinking Water, DEQ D9937

**Kansas Certification:** Stillwater NELAP CERT # E-10219  
Oklahoma City NELAP CERT # E-10414

**New Hampshire Cert.:** Oklahoma City Drinking Water NH ELAP Lab ID # 2072

**Texas Certification:** Stillwater Drinking Water NELAP CERT # T105704533-14-1

**Method Reference:** 40 CFR 136, 141, and 261 Methods for Chemical Analysis of Water and Wastes EPA-600/4-79-020, March 1983. Test Methods for Evaluating Solid Wastes, SW-846, Final Update III. Standard Methods 1998 (20th Edition), Standard Methods 2005 (21st Edition) and Standard Methods 2011 (22nd Edition) for the Examination of Water and Wastewater.

**Analysis Reference:** If qualifiers present in "Prep Info" or "Analysis Info", then analysis performed as follows: @= Tulsa Lab and \* = OKC Lab. If no qualifiers present, then analysis performed at Stillwater Lab.

Accurate Environmental Laboratories certify that the test results performed at the Stillwater lab meet all requirements of NELAP. Any exceptions to this can be found in the report footer or Quality Control Section of the report.

This report is to only be replicated in its entirety.

Accurate Environmental sampling protocol was followed for any sampling performed by Accurate Field Services.

Sample: **WWTP**

Location Code:

PWSID#:

Collection Type: Grab

Sample Time: 6/7/19 8:00

Lab Log# BF07005-01

Method/Parameter	Test	Result	Notes	PQL#	Prep Info	Analysis Info
VOCs in TCLP Extracts EPA 8260B	1,4-Dichlorobenzene	BPQL mg/L		0.420	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	Benzene	BPQL mg/L		0.420	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	2-Butanone (MEK)	BPQL mg/L		0.420	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	Carbon tetrachloride	BPQL mg/L		0.168	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	Chlorobenzene	BPQL mg/L		0.420	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	Chloroform	BPQL mg/L		0.420	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane	BPQL mg/L		0.420	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	1,1-Dichloroethene	BPQL mg/L		0.420	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	Tetrachloroethene	BPQL mg/L		0.420	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	Trichloroethene	BPQL mg/L		0.420	06/12/19 10:10 MW	06/12/19 14:11 MW
VOCs in TCLP Extracts EPA 8260B	Vinyl chloride	BPQL mg/L		0.168	06/12/19 10:10 MW	06/12/19 14:11 MW
SVOCs in TCLP Extracts EPA 8270C	1,4-Dichlorobenzene	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	2,4-Dinitrotoluene	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	Hexachlorobenzene	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	Hexachlorobutadiene	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	Hexachloroethane	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	2-Methylphenol (o-Cresol)	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	3 & 4-Methylphenol (m & p Cresol)	BPQL mg/L		0.200	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	Pentachlorophenol	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	Pyridine	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	2,4,5-Trichlorophenol	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES
SVOCs in TCLP Extracts EPA 8270C	2,4,6-Trichlorophenol	BPQL mg/L		0.100	06/11/19 08:06 MAC	06/11/19 19:29 ES

Notes and Definitions

- #66 Analyte recovery in one of the laboratory spiked samples is outside acceptance limits but within limits for duplicate spike.
- #44 RPD is outside of acceptance limits. This failure does not invalidate data reported.
- #38 Analyte fails high in the laboratory spiked sample, no target analytes observed in sample. This failure has no affect on data reported.
- MCL Analyte concentration may exceed Maximum Contaminant Limit (MCL) for EPA Primary or Secondary Drinking Water Regulations.
- ### Analyte concentration may exceed regulatory limit.
- PQL Practical Quantitation Limit - the method reporting limit (MRL) adjusted for any dilutions or other changes made to the sample to deal with interferences/matrix effects
- BPQL Below Practical Quantitation Limit (if applicable).

The "Prep Date" of the QC analysis coincides with the characters of the appropriate QC Lab ID. (Example: 19 A 02 15 - BLK = 2019, Jan 2, Batch #15 - Blank)

*Lab Manager*

A handwritten signature in black ink, appearing to read "Dg Cu", is written on a light gray rectangular background.

## Quality Control Data

### Blank Data

QC Lab #	Test Group	Test	Result	PQL	Flags
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	1,4-Dichlorobenzene	BPQL mg/L	0.420	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Benzene	BPQL mg/L	0.420	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	2-Butanone (MEK)	BPQL mg/L	0.420	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Carbon tetrachloride	BPQL mg/L	0.168	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene	BPQL mg/L	0.420	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Chloroform	BPQL mg/L	0.420	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane	BPQL mg/L	0.420	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	1,1-Dichloroethene	BPQL mg/L	0.420	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Tetrachloroethene	BPQL mg/L	0.420	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Trichloroethene	BPQL mg/L	0.420	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Vinyl chloride	BPQL mg/L	0.168	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	1,4-Dichlorobenzene	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	2,4-Dinitrotoluene	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	Hexachlorobenzene	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	Hexachlorobutadiene	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	Hexachloroethane	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	2-Methylphenol (o-Cresol)	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	3 & 4-Methylphenol (m & p Cresol)	BPQL mg/L	0.200	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	Pentachlorophenol	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	Pyridine	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	2,4,5-Trichlorophenol	BPQL mg/L	0.100	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	2,4,6-Trichlorophenol	BPQL mg/L	0.100	

# Quality Control Data

## Laboratory Control Sample Data

Lab QC#	Test Group	Test Name	LCS Result	Spike Level	Units	% Rec.	Control Limits	Flags
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	1,4-Dichlorobenzene	13.9	10.00	ug/L	139	85.6 - 115	#38
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Benzene	13.4	10.00	ug/L	134	85 - 118	#66
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	2-Butanone (MEK)	13.1	10.00	ug/L	131	79.8 - 131	
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Carbon tetrachloride	14.7	10.00	ug/L	147	84.8 - 127	#66
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene	14.0	10.00	ug/L	140	81.3 - 121	#66
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Chloroform	14.1	10.00	ug/L	141	85 - 124	#66
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane	13.5	10.00	ug/L	135	85 - 123	#66
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	1,1-Dichloroethene	15.0	10.00	ug/L	150	85 - 123	#38
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Tetrachloroethene	14.2	10.00	ug/L	142	85 - 118	#38
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Trichloroethene	13.8	10.00	ug/L	138	85 - 122	#66
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Vinyl chloride	17.0	10.00	ug/L	170	62.8 - 152	#66
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	1,4-Dichlorobenzene	0.285	0.5000	mg/L	57	26.1 - 75.3	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	2,4-Dinitrotoluene	0.421	0.5000	mg/L	84	61.9 - 104	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	Hexachlorobenzene	0.406	0.5000	mg/L	81	57.3 - 99	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	Hexachlorobutadiene	0.312	0.5000	mg/L	62	27.8 - 76.3	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	Hexachloroethane	0.307	0.5000	mg/L	61	20.4 - 71.7	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	2-Methylphenol (o-Cresol)	0.322	0.5000	mg/L	64	43.6 - 88.7	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	3 & 4-Methylphenol (m & p Cresol)	0.725	1.000	mg/L	73	46.7 - 91.7	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene	0.393	0.5000	mg/L	79	42.5 - 85.1	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	Pentachlorophenol	0.351	0.5000	mg/L	70	54.6 - 117	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	Pyridine	0.255	0.5000	mg/L	51	9.28 - 80.7	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	2,4,5-Trichlorophenol	0.392	0.5000	mg/L	78	55.3 - 105	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	2,4,6-Trichlorophenol	0.371	0.5000	mg/L	74	50.7 - 98.2	

# Quality Control Data

## LCS Duplicate Data

QC Lab#	Test Group	Test Name	LCS % Rec.	LCS Dup % Rec.	Recovery Limits	RPD	RPD Limit	Flags
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	1,4-Dichlorobenzene	139	117	85.6 - 115	17	20	#38
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Benzene	134	116	85 - 118	14	20	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	2-Butanone (MEK)	131	99	79.8 - 131	28	20	#44
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Carbon tetrachloride	147	123	84.8 - 127	18	20	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene	140	121	81.3 - 121	15	20	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Chloroform	141	118	85 - 124	18	20	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane	135	121	85 - 123	11	20	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	1,1-Dichloroethene	150	132	85 - 123	12	20	#38
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Tetrachloroethene	142	122	85 - 118	16	20	#38
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Trichloroethene	138	117	85 - 122	17	20	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Vinyl chloride	170	146	62.8 - 152	15	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	1,4-Dichlorobenzene	57	52	26.1 - 75.3	9	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	2,4-Dinitrotoluene	84	86	61.9 - 104	2	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	Hexachlorobenzene	81	80	57.3 - 99	1	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	Hexachlorobutadiene	62	59	27.8 - 76.3	6	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	Hexachloroethane	61	55	20.4 - 71.7	10	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	2-Methylphenol (o-Cresol)	64	64	43.6 - 88.7	0.1	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	3 & 4-Methylphenol (m & p Cresol)	73	72	46.7 - 91.7	0.9	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene	79	77	42.5 - 85.1	2	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	Pentachlorophenol	70	71	54.6 - 117	0.9	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	Pyridine	51	64	9.28 - 80.7	22	20	#44
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	2,4,5-Trichlorophenol	78	80	55.3 - 105	2	20	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	2,4,6-Trichlorophenol	74	74	50.7 - 98.2	0.08	20	

# Quality Control Data

## Matrix Spike Data

QC Lab #	Test Group	Test Name	Source Sample	Sample Result	Units	Spike Result	Spike Level	% Rec.	Acceptance Limits	Flags
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	1,4-Dichlorobenzene	BF07005-01	0.600	ug/L	10.3	10.00	97	83.3 - 118	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Benzene	BF07005-01	0.670	ug/L	10.2	10.00	96	85 - 122	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	2-Butanone (MEK)	BF07005-01	1.95	ug/L	12.8	10.00	109	25.9 - 169	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Carbon tetrachloride	BF07005-01	0.00	ug/L	11.3	10.00	113	79.7 - 125	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene	BF07005-01	0.670	ug/L	10.3	10.00	97	85 - 120	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Chloroform	BF07005-01	0.610	ug/L	10.7	10.00	101	82.4 - 131	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane	BF07005-01	0.620	ug/L	10.6	10.00	100	83.3 - 123	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	1,1-Dichloroethene	BF07005-01	0.00	ug/L	11.7	10.00	117	73.2 - 139	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Tetrachloroethene	BF07005-01	0.00	ug/L	10.4	10.00	104	79.6 - 127	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Trichloroethene	BF07005-01	0.720	ug/L	10.6	10.00	99	57.3 - 150	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Vinyl chloride	BF07005-01	0.570	ug/L	13.2	10.00	126	68.7 - 144	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	1,4-Dichlorobenzene	BF07005-01	BPQL	mg/L	0.282	0.5000	56	33.8 - 82	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	2,4-Dinitrotoluene	BF07005-01	BPQL	mg/L	0.437	0.5000	87	71.3 - 105	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	Hexachlorobenzene	BF07005-01	BPQL	mg/L	0.408	0.5000	82	67.4 - 102	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	Hexachlorobutadiene	BF07005-01	BPQL	mg/L	0.303	0.5000	61	42.6 - 83.6	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	Hexachloroethane	BF07005-01	BPQL	mg/L	0.297	0.5000	59	33.5 - 83.1	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	2-Methylphenol (o-Cresol)	BF07005-01	BPQL	mg/L	0.342	0.5000	68	51.5 - 97.2	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	3 & 4-Methylphenol (m & p Cresol)	BF07005-01	BPQL	mg/L	0.749	1.000	75	57.5 - 95.6	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene	BF07005-01	BPQL	mg/L	0.378	0.5000	76	54.5 - 94	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	Pentachlorophenol	BF07005-01	BPQL	mg/L	0.423	0.5000	85	61.8 - 107	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	Pyridine	BF07005-01	BPQL	mg/L	0.136	0.5000	27	6.59 - 87.7	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	2,4,5-Trichlorophenol	BF07005-01	BPQL	mg/L	0.415	0.5000	83	64.7 - 103	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	2,4,6-Trichlorophenol	BF07005-01	BPQL	mg/L	0.385	0.5000	77	57.8 - 98.4	

# Quality Control Data

## Matrix Spike Duplicate Data

QC Lab #	Test Group	Test Name	Sample Result	Spike Result	Spike Level	Units	% Rec.	Rec. Limits	% RPD	RPD Limit	Flags
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	1,4-Dichlorobenzene	0.600	10.3	10.00	ug/L	97	83.3-118	0.1	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Benzene	0.670	10.0	10.00	ug/L	93	85-122	2	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	2-Butanone (MEK)	1.95	10.6	10.00	ug/L	86	25.9-169	19	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Carbon tetrachloride	0.00	11.2	10.00	ug/L	112	79.7-125	1	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene	0.670	9.80	10.00	ug/L	91	85-120	5	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Chloroform	0.610	10.6	10.00	ug/L	100	82.4-131	1	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane	0.620	10.1	10.00	ug/L	95	83.3-123	5	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	1,1-Dichloroethene	0.00	11.7	10.00	ug/L	117	73.2-139	0.09	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Tetrachloroethene	0.00	10.4	10.00	ug/L	104	79.6-127	0.6	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Trichloroethene	0.720	10.2	10.00	ug/L	94	57.3-150	4	20	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Vinyl chloride	0.570	12.9	10.00	ug/L	124	68.7-144	2	20	



**Quality Control Data**

**Quality Control Data**

**Surrogate Recovery Data**

QC Lab#	Test Group	Test Name	% Recovery	Recovery Limits	Flags
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane-d4	99	85 - 119	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	1,4-Difluorobenzene	98	85 - 115	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	4-Bromofluorobenzene	99	79.6 - 115	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene-d5	99	85 - 118	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Dibromofluoromethane	99	85 - 124	
19F1224-BLK1	VOCs in TCLP Extracts EPA 8260B	Pentafluorobenzene	97	85 - 115	
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane-d4	95	85 - 119	
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	1,4-Difluorobenzene	99	85 - 115	
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	4-Bromofluorobenzene	96	79.6 - 115	
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene-d5	99	85 - 118	
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Dibromofluoromethane	102	85 - 124	
19F1224-BS1	VOCs in TCLP Extracts EPA 8260B	Pentafluorobenzene	98	85 - 115	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane-d4	97	85 - 119	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	1,4-Difluorobenzene	99	85 - 115	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	4-Bromofluorobenzene	96	79.6 - 115	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene-d5	100	85 - 118	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Dibromofluoromethane	97	85 - 124	
19F1224-BSD1	VOCs in TCLP Extracts EPA 8260B	Pentafluorobenzene	98	85 - 115	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane-d4	99	85 - 119	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	1,4-Difluorobenzene	98	85 - 115	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	4-Bromofluorobenzene	94	79.6 - 115	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene-d5	100	85 - 118	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Dibromofluoromethane	102	85 - 124	
19F1224-MS1	VOCs in TCLP Extracts EPA 8260B	Pentafluorobenzene	99	85 - 115	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane-d4	99	85 - 119	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	1,4-Difluorobenzene	96	85 - 115	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	4-Bromofluorobenzene	95	79.6 - 115	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene-d5	100	85 - 118	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Dibromofluoromethane	104	85 - 124	
19F1224-MSD1	VOCs in TCLP Extracts EPA 8260B	Pentafluorobenzene	97	85 - 115	
BF07005-01	VOCs in TCLP Extracts EPA 8260B	1,2-Dichloroethane-d4	96	85 - 119	
BF07005-01	VOCs in TCLP Extracts EPA 8260B	1,4-Difluorobenzene	98	85 - 115	
BF07005-01	VOCs in TCLP Extracts EPA 8260B	4-Bromofluorobenzene	96	79.6 - 115	
BF07005-01	VOCs in TCLP Extracts EPA 8260B	Chlorobenzene-d5	99	85 - 118	
BF07005-01	VOCs in TCLP Extracts EPA 8260B	Dibromofluoromethane	101	85 - 124	
BF07005-01	VOCs in TCLP Extracts EPA 8260B	Pentafluorobenzene	96	85 - 115	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	1,2-Dichlorobenzene-d4	65	37.8 - 115	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	2,4,6-Tribromophenol	75	45.6 - 115	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	2-Chlorophenol-d4	65	45.7 - 115	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	2-Fluorobiphenyl	71	46.9 - 115	

## Quality Control Data

19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	2-Fluorophenol	64	42.4 - 115	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene-d5	69	44.3 - 115	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	Phenol-d6	69	45.2 - 115	
19F1105-BLK1	SVOCs in TCLP Extracts EPA 8270C	Terphenyl-d14	87	65.5 - 119	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	1,2-Dichlorobenzene-d4	64	37.8 - 115	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	2,4,6-Tribromophenol	85	45.6 - 115	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	2-Chlorophenol-d4	66	45.7 - 115	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	2-Fluorobiphenyl	74	46.9 - 115	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	2-Fluorophenol	64	42.4 - 115	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene-d5	69	44.3 - 115	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	Phenol-d6	73	45.2 - 115	
19F1105-BS1	SVOCs in TCLP Extracts EPA 8270C	Terphenyl-d14	88	65.5 - 119	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	1,2-Dichlorobenzene-d4	59	37.8 - 115	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	2,4,6-Tribromophenol	84	45.6 - 115	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	2-Chlorophenol-d4	62	45.7 - 115	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	2-Fluorobiphenyl	70	46.9 - 115	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	2-Fluorophenol	58	42.4 - 115	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene-d5	66	44.3 - 115	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	Phenol-d6	69	45.2 - 115	
19F1105-BSD1	SVOCs in TCLP Extracts EPA 8270C	Terphenyl-d14	86	65.5 - 119	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	1,2-Dichlorobenzene-d4	61	37.8 - 115	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	2,4,6-Tribromophenol	87	45.6 - 115	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	2-Chlorophenol-d4	65	45.7 - 115	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	2-Fluorobiphenyl	70	46.9 - 115	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	2-Fluorophenol	63	42.4 - 115	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene-d5	69	44.3 - 115	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	Phenol-d6	72	45.2 - 115	
19F1105-MS1	SVOCs in TCLP Extracts EPA 8270C	Terphenyl-d14	87	65.5 - 119	
BF07005-01	SVOCs in TCLP Extracts EPA 8270C	1,2-Dichlorobenzene-d4	58	37.8 - 115	
BF07005-01	SVOCs in TCLP Extracts EPA 8270C	2,4,6-Tribromophenol	82	45.6 - 115	
BF07005-01	SVOCs in TCLP Extracts EPA 8270C	2-Chlorophenol-d4	61	45.7 - 115	
BF07005-01	SVOCs in TCLP Extracts EPA 8270C	2-Fluorobiphenyl	64	46.9 - 115	
BF07005-01	SVOCs in TCLP Extracts EPA 8270C	2-Fluorophenol	61	42.4 - 115	
BF07005-01	SVOCs in TCLP Extracts EPA 8270C	Nitrobenzene-d5	64	44.3 - 115	
BF07005-01	SVOCs in TCLP Extracts EPA 8270C	Phenol-d6	65	45.2 - 115	
BF07005-01	SVOCs in TCLP Extracts EPA 8270C	Terphenyl-d14	87	65.5 - 119	

\* Complete Entire COC to be in Compliance\*

RUSH Due Date \_\_\_\_\_



# Chain of Custody

Client Name- **Perkins PWA**

Project Name- **SDWIS Analysis**

Sample Preserv. & Container →	ICE 8 oz glass	ICE 4 oz glass					
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Analysis Requested →							
# of Container ↓	SVOC 8270C TCLP	VOC 8260B TCLP					
	2	2					

Accurate Work Order #	Date Sample Taken	Time Sample Taken	Matrix or Source (Refer below)	Grab (G) or Comp (C)	Client I.D. / Sample Location or DEQ / EPA Location Code	Field Results		# of Container ↓	SVOC 8270C TCLP	VOC 8260B TCLP				
						(pH, Temp, Chlorine) (note analysis & units)	Location Code							
BFO7005 -01	6/7/19	08:00	S	G	WWTP	7.29		4	2	2				

<b>On-Site Info</b>	Raw Alkalinity (TOC Raw)= _____ mg/L	Turbidity (E.Coli)= _____ ntu	Field Instrument Calibration -				
<b>Matrix Codes</b>	DW = Drinking Water	WW = Wastewater	SL = Sludge	O = Other			
<b>E.Coli Source-</b>	GWUDI-FS= Groundwater under direct influence of Flowing Stream		GWUDI-RL= Groundwater under direct influence of Reservoir/Lake				
			Meter Type	Standards	Final Read.	Date , Time	Initials
			HACH	4-7-10	7.01	6/7/19 07:00	LJN

**Comments**  
10/28/16dec  
-- All Glass containers provided by Accurate Labs have Teflon lined lids --  
-- All samples are scheduled to be disposed of in 4 weeks of receipt at Accurate. --  
-- Hazardous samples will be returned to client or will be disposed of for a fee --

**Certification by Company Official:** I hereby certify that the above sampling occurred during a period such that the sample(s) is/are representative of a typical operating day discharge for the above facility. **Signature:** **Date/Time** 6/7/19 08:00

**Sampled By:** Janet Noe **Company:** CITY OF PERKINS **Sample Method:** GRAB

**Relinquished By:** Janet Noe **Date/Time** 6/7/19 08:00 **Received By:** Steven Pitzl **Date/Time** 6/7/19 08:00

Relinquished to Lab By: **Date/Time** 6/7/19 0930 **Received at Lab By:** Erin Snow **Rec'd °C** 8.5 **Date/Time** 6/7/19 0930

**Reporting Requirements** (standard 10-15 working days) **Compliance Reporting?** Yes or No (DMR, PWS, ) **Oklahoma PWS ID #** 0028801 **RUSH Request** (if available) \_\_\_\_\_ (Working Days)

**Mail Report:** Janet Noe  
City of Perkins  
Address: PO Box 9  
Perkins, OK 74059  
Phone #: 405-714-7859 Fax #: 405-547-5440  
Email: jnoe@cityofperkins.net

**Mail Invoice:** Accounts Payable  
City of Perkins  
Address: PO Box 9  
Perkins, OK 74059  
Phone #: 405-714-7859 Fax #: 405-547-5440

<a href="http://www.accuratelabs.com">www.accuratelabs.com</a> (800) 516-5227	505 South Lowry Street Stillwater, OK 74074 Phone: (405) 372-5300 Fax: (405) 372-5396	6558 E. 40 <sup>th</sup> Street Tulsa, OK 74145 Phone: (918) 663-5400 Fax: (918) 663-6300	12036 N. Pennsylvania Oklahoma City, OK 73120 Phone: (405) 751-3132 Fax: (405) 751-3108
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