

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090920\  
 Data File : VW016507.D  
 Acq On : 09 Sep 2020 19:18  
 Operator : SY/VA  
 Sample : L3945-04  
 Misc : 5.96G/10ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 BFWX8

**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 9/10/2020 5:18:01 PM

Quant Time: Sep 10 06:02:23 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM090320S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Sep 10 05:09:14 2020  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	750975	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	660523	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	292039	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	214406	26.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.64%
7) Chloroethane-d5	2.90	69	187269	26.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.72%
10) 1,1-Dichloroethene-d2	4.03	63	328011m	17.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.64%
20) 2-Butanone-d5	7.08	46	85444	30.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.06%
24) Chloroform-d	7.65	84	420651	23.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.64%
26) 1,2-Dichloroethane-d4	8.31	65	217184	22.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.32%
29) Benzene-d6	8.28	84	846210	25.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.80%
33) 1,2-Dichloropropane-d6	9.28	67	234268	23.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.00%
37) Toluene-d8	10.33	98	813964	25.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.00%
38) trans-1,3-Dichloropropene-	10.59	79	106870	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.88%
39) 2-Hexanone-d5	10.93	63	71851	35.64	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	166664	19.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	239548	23.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.96%

Target Compounds					Ovalue
47) Tetrachloroethene	10.87	164	12161	1.516 ug/L	85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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