

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081820\  
 Data File : VW016236.D  
 Acq On : 18 Aug 2020 13:03  
 Operator : SY/VA  
 Sample : L3709-06  
 Misc : 5.91G/10ML/MSVOA W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 BFSQ9

**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 8/19/2020 5:24:17 PM

Quant Time: Aug 19 06:36:13 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM081020S.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Aug 19 05:49:31 2020  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	431501	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	394702	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	161579	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	91553	17.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.44%
7) Chloroethane-d5	2.90	69	75090	18.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.96%
10) 1,1-Dichloroethene-d2	4.01	63	157576	13.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	55.48%
20) 2-Butanone-d5	7.09	46	45761	32.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.02%
24) Chloroform-d	7.65	84	232197	20.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.20%
26) 1,2-Dichloroethane-d4	8.31	65	112658	18.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	73.28%
29) Benzene-d6	8.27	84	452785	21.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.36%
33) 1,2-Dichloropropane-d6	9.28	67	134326	21.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.08%
37) Toluene-d8	10.33	98	408177	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.92%
38) trans-1,3-Dichloropropene-	10.58	79	52642	18.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	74.20%
39) 2-Hexanone-d5	10.93	63	39106	35.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.80%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99280	19.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.24%
61) 1,2-Dichlorobenzene-d4	13.85	152	130316	22.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.00%

Target Compounds					Ovalue
16) Methylene chloride	4.92	84	14640m	2.149	ug/L
47) Tetrachloroethene	10.87	164	67583	14.730	ug/L

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

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