

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\  
 Data File : VW009499.D  
 Acq On : 27 Mar 2019 13:29  
 Operator : SY/VA  
 Sample : K2031-22  
 Misc : 5.03G/10ML/MSVOA W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_W  
**Client Sampled :**  
 VHBLK01

**Manual Integrations**  
**APPROVED**  
 MMDadoda  
 3/28/2019 2:47:29 PM

Quant Time: Mar 28 06:00:13 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM031419S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Mar 28 04:55:04 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	379650	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	369488	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	165527	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	109710	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.72%
7) Chloroethane-d5	2.89	69	120829	22.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.04%
10) 1,1-Dichloroethene-d2	4.01	63	182433	18.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.44%
20) 2-Butanone-d5	7.07	46	99407	52.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.96%
24) Chloroform-d	7.64	84	273076	26.36	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.44%
26) 1,2-Dichloroethane-d4	8.31	65	173401m	27.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.12%
29) Benzene-d6	8.27	84	514161	25.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.92%
33) 1,2-Dichloropropane-d6	9.27	67	161577	26.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.60%
37) Toluene-d8	10.32	98	465165	24.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.76%
38) trans-1,3-Dichloropropene-	10.57	79	71263	23.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.72%
39) 2-Hexanone-d5	10.93	63	69924	47.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.34%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	155650	25.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	175525	27.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.60%

Target Compounds					Ovalue
13) Acetone	4.12	43	3347	2.175 ug/L	76
16) Methylene chloride	4.90	84	15616m	2.821 ug/L	

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

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