

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006294.D
 Acq On : 23 Oct 2018 14:15
 Operator : SY/AP
 Sample : MDL
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 2:07:06 PM

Quant Time: Oct 24 02:18:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	403753	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	379416	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	200194	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	81945	18.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.00%
7) Chloroethane-d5	2.89	69	80441	20.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.08%
10) 1,1-Dichloroethene-d2	4.01	63	129995	14.87	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.48%
20) 2-Butanone-d5	7.09	46	47339	31.36	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.72%
24) Chloroform-d	7.65	84	180407	20.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.52%
26) 1,2-Dichloroethane-d4	8.31	65	101209	20.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.68%
29) Benzene-d6	8.27	84	368049	21.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	85.48%
33) 1,2-Dichloropropane-d6	9.27	67	104947	20.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.76%
37) Toluene-d8	10.32	98	363118	21.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.32%
38) trans-1,3-Dichloropropene-	10.58	79	43018	17.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.12%
39) 2-Hexanone-d5	10.93	63	40095	31.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.84%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	93723	18.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.16%
61) 1,2-Dichlorobenzene-d4	13.86	152	150406	21.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	4948m	1.297 ug/L	
3) Chloromethane	2.21	50	4766	1.272 ug/L	93
5) Vinyl chloride	2.37	62	6592	1.091 ug/L #	74
6) Bromomethane	2.79	94	5012	1.066 ug/L	98
8) Chloroethane	2.93	64	4361m	1.178 ug/L	
9) Trichlorofluoromethane	3.26	101	4421m	0.915 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	6952m	1.439 ug/L	
12) 1,1-Dichloroethene	4.03	96	5789	1.249 ug/L #	1
13) Acetone	4.15	43	3710	2.433 ug/L	98
14) Carbon disulfide	4.37	76	13319	0.879 ug/L	99
15) Methyl Acetate	4.68	43	2275m	0.921 ug/L	
16) Methylene chloride	4.92	84	13170	2.526 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	7154	0.948 ug/L	95
18) trans-1,2-Dichloroethene	5.41	96	5280	1.029 ug/L	84
19) 1,1-Dichloroethane	6.21	63	8630	1.039 ug/L	98
21) 2-Butanone	7.18	43	4323	2.134 ug/L	74
22) cis-1,2-Dichloroethene	7.17	96	5754	1.028 ug/L	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.51	128	2598	0.987	ug/L	94
25) Chloroform	7.67	83	10015	1.120	ug/L	76
27) 1,2-Dichloroethane	8.40	62	6311	1.036	ug/L #	93
30) Cyclohexane	7.95	56	7735	0.928	ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	7821	0.985	ug/L	98
32) Carbon tetrachloride	8.07	117	7478	0.960	ug/L	98
34) Benzene	8.32	78	20577	1.056	ug/L	100
35) Trichloroethene	9.09	95	5658	1.032	ug/L	98
36) Methylcyclohexane	9.34	83	10049	1.001	ug/L	99
40) 1,2-Dichloropropane	9.37	63	4647	0.962	ug/L	99
41) Bromodichloromethane	9.65	83	5901	0.904	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	7063	0.895	ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	6456	1.667	ug/L	97
44) Toluene	10.39	91	23692	1.083	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	7868	1.141	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	3823	0.950	ug/L	92
47) Tetrachloroethene	10.87	164	5476	1.079	ug/L	87
49) 2-Hexanone	10.97	43	4021	1.409	ug/L	92
50) Dibromochloromethane	11.13	129	4177	0.810	ug/L	95
51) 1,2-Dibromoethane	11.24	107	3815	0.911	ug/L	84
52) Chlorobenzene	11.66	112	15906	1.075	ug/L	99
53) Ethylbenzene	11.73	91	25705	1.010	ug/L	97
54) m,p-Xylene	11.84	106	9973	0.999	ug/L	94
55) o-xylene	12.17	106	8764	0.920	ug/L	94
56) Styrene	12.18	104	14654	0.893	ug/L	93
57) Isopropylbenzene	12.47	105	25321	0.955	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	5365	1.026	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	3523	0.903	ug/L	92
62) Bromoform	12.35	173	2425	0.723	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	13161	1.071	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	13598	1.098	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	12530	1.108	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	794m	0.872	ug/L	
67) 1,3,5-Trichlorobenzene	14.64	180	11059	1.116	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	8936	1.057	ug/L	99
69) Naphthalene	15.38	128	14585	0.852	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	7583	0.999	ug/L	95

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

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