

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006296.D
 Acq On : 23 Oct 2018 15:07
 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 2:07:11 PM

Quant Time: Oct 24 04:00:34 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	8.85	114	388224	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	365640	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	193994	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	87740	20.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.16%
7) Chloroethane-d5	2.90	69	85481	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.72%
10) 1,1-Dichloroethene-d2	4.01	63	143611	17.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.32%
20) 2-Butanone-d5	7.09	46	66426	45.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.54%
24) Chloroform-d	7.65	84	202260	24.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	8.31	65	117601	25.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.12%
29) Benzene-d6	8.27	84	411295	24.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.12%
33) 1,2-Dichloropropane-d6	9.28	67	118463	23.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.56%
37) Toluene-d8	10.33	98	404935	24.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.56%
38) trans-1,3-Dichloropropene-	10.58	79	50476	20.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.92%
39) 2-Hexanone-d5	10.93	63	54022	44.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	116019	23.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	169329	25.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	4535	1.236 ug/L	96
3) Chloromethane	2.21	50	4814	1.336 ug/L	97
5) Vinyl chloride	2.37	62	6674	1.149 ug/L #	68
6) Bromomethane	2.79	94	4779	1.057 ug/L	96
8) Chloroethane	2.94	64	3917m	1.100 ug/L	
9) Trichlorofluoromethane	3.26	101	5146m	1.108 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	6635m	1.428 ug/L	
12) 1,1-Dichloroethene	4.04	96	5901	1.324 ug/L #	1
13) Acetone	4.13	43	4476m	3.053 ug/L	
14) Carbon disulfide	4.38	76	13097	0.899 ug/L	97
15) Methyl Acetate	4.67	43	2724m	1.147 ug/L	
16) Methylene chloride	4.91	84	11454	2.285 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	7547m	1.040 ug/L	
18) trans-1,2-Dichloroethene	5.42	96	5209	1.056 ug/L	91
19) 1,1-Dichloroethane	6.22	63	8208	1.028 ug/L	91
21) 2-Butanone	7.18	43	4927m	2.529 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	5574	1.036 ug/L	92

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

23) Bromochloromethane	7.52	128	2694	1.064	ug/L	91
25) Chloroform	7.68	83	10277	1.196	ug/L #	74
27) 1,2-Dichloroethane	8.40	62	6853	1.170	ug/L	100
30) Cyclohexane	7.96	56	7757	0.965	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	7715	1.008	ug/L	98
32) Carbon tetrachloride	8.07	117	7120	0.949	ug/L	99
34) Benzene	8.33	78	20489	1.092	ug/L	100
35) Trichloroethene	9.09	95	5503	1.042	ug/L	98
36) Methylcyclohexane	9.34	83	9614	0.994	ug/L	99
40) 1,2-Dichloropropane	9.37	63	4885	1.049	ug/L #	94
41) Bromodichloromethane	9.65	83	5778	0.919	ug/L #	92
42) cis-1,3-Dichloropropene	10.07	75	6718m	0.883	ug/L	
43) 4-Methyl-2-pentanone	10.22	43	7250	1.943	ug/L	98
44) Toluene	10.39	91	24028	1.140	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	8412	1.266	ug/L	93
46) 1,1,2-Trichloroethane	10.79	97	4130	1.065	ug/L	92
47) Tetrachloroethene	10.87	164	5334	1.091	ug/L	88
49) 2-Hexanone	10.98	43	5023	1.827	ug/L	98
50) Dibromochloromethane	11.13	129	4313	0.868	ug/L	98
51) 1,2-Dibromoethane	11.24	107	4128	1.023	ug/L #	98
52) Chlorobenzene	11.66	112	15361	1.077	ug/L	99
53) Ethylbenzene	11.74	91	24611	1.003	ug/L	98
54) m,p-Xylene	11.84	106	9636	1.002	ug/L	97
55) o-xylene	12.17	106	8791	0.957	ug/L	95
56) Styrene	12.19	104	14617	0.924	ug/L	96
57) Isopropylbenzene	12.47	105	24079	0.942	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	5815	1.154	ug/L #	96
59) 1,2,3-Trichloropropane	12.77	75	3944	1.049	ug/L	96
62) Bromoform	12.35	173	2553	0.785	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	12555	1.054	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	12956	1.080	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	12073	1.102	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	768m	0.871	ug/L	
67) 1,3,5-Trichlorobenzene	14.64	180	10015	1.043	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	8576	1.047	ug/L	98
69) Naphthalene	15.38	128	14464	0.872	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	7172	0.975	ug/L	95

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

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