

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006301.D
 Acq On : 23 Oct 2018 18:07
 Operator : SY/AP
 Sample : MDL 2 PPB
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL 2 PPB

Manual Integrations
 APPROVED

MMDadoda

10/24/2018 2:07:45 PM

Quant Time: Oct 24 05:30:48 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	8.85	114	324165	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	294930	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	155814	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	75409	20.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.52%
7) Chloroethane-d5	2.90	69	75202	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
10) 1,1-Dichloroethene-d2	4.01	63	124731	17.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.08%
20) 2-Butanone-d5	7.09	46	60163	49.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.30%
24) Chloroform-d	7.65	84	169118	24.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.32%
26) 1,2-Dichloroethane-d4	8.31	65	99107	25.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.04%
29) Benzene-d6	8.27	84	347552	25.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.84%
33) 1,2-Dichloropropane-d6	9.28	67	98853	24.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.84%
37) Toluene-d8	10.33	98	337805	25.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.92%
38) trans-1,3-Dichloropropene-	10.58	79	40004	20.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.48%
39) 2-Hexanone-d5	10.93	63	48849	50.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	101514	25.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	140597	26.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.32%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7157	2.336 ug/L	99
3) Chloromethane	2.21	50	7681	2.553 ug/L	97
5) Vinyl chloride	2.37	62	10740	2.215 ug/L #	80
6) Bromomethane	2.79	94	8068	2.137 ug/L	98
8) Chloroethane	2.93	64	6722	2.261 ug/L	96
9) Trichlorofluoromethane	3.26	101	8368	2.157 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10165m	2.621 ug/L	
12) 1,1-Dichloroethene	4.03	96	9201	2.472 ug/L #	1
13) Acetone	4.14	43	6267m	5.119 ug/L	
14) Carbon disulfide	4.38	76	22051	1.812 ug/L	97
15) Methyl Acetate	4.69	43	4686m	2.363 ug/L	
16) Methylene chloride	4.92	84	16915	4.042 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	12922	2.133 ug/L	98
18) trans-1,2-Dichloroethene	5.43	96	8835	2.144 ug/L	84
19) 1,1-Dichloroethane	6.22	63	14050	2.107 ug/L	98
21) 2-Butanone	7.18	43	6863m	4.219 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	9606	2.137 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4626	2.188	ug/L	97
25) Chloroform	7.68	83	16261	2.266	ug/L	87
27) 1,2-Dichloroethane	8.40	62	11260	2.301	ug/L	95
30) Cyclohexane	7.95	56	13587	2.096	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	13175	2.135	ug/L	98
32) Carbon tetrachloride	8.07	117	12365	2.043	ug/L	99
34) Benzene	8.33	78	34195	2.259	ug/L	100
35) Trichloroethene	9.10	95	9502	2.231	ug/L	99
36) Methylcyclohexane	9.34	83	16246	2.081	ug/L	96
40) 1,2-Dichloropropane	9.37	63	7910	2.106	ug/L	100
41) Bromodichloromethane	9.65	83	9335	1.841	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	11044	1.800	ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	12705	4.222	ug/L	99
44) Toluene	10.39	91	37426	2.201	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	11357	2.119	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	6976	2.230	ug/L	98
47) Tetrachloroethene	10.87	164	8769	2.224	ug/L	96
49) 2-Hexanone	10.98	43	8373	3.775	ug/L	94
50) Dibromochloromethane	11.13	129	6943	1.732	ug/L	100
51) 1,2-Dibromoethane	11.24	107	6893	2.117	ug/L	99
52) Chlorobenzene	11.66	112	25098	2.182	ug/L	99
53) Ethylbenzene	11.74	91	41392	2.091	ug/L	100
54) m,p-Xylene	11.84	106	15614	2.013	ug/L	96
55) o-xylene	12.17	106	14503	1.958	ug/L	95
56) Styrene	12.18	104	23911	1.874	ug/L	100
57) Isopropylbenzene	12.47	105	40943	1.987	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	9675	2.380	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	7097	2.340	ug/L	99
62) Bromoform	12.35	173	4223	1.618	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	20081	2.099	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	21333	2.214	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	19517	2.217	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	1267	1.788	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.64	180	16038	2.079	ug/L	98
68) 1,2,4-trichlorobenzene	15.15	180	13576	2.064	ug/L	96
69) Naphthalene	15.38	128	25059	1.882	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	12021	2.034	ug/L	95

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

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