

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006302.D
 Acq On : 23 Oct 2018 18:33
 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 2:07:51 PM

Quant Time: Oct 24 05:32:14 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	316004	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	288629	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	148146	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	73815	20.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.84%
7) Chloroethane-d5	2.90	69	71623	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
10) 1,1-Dichloroethene-d2	4.01	63	120928	17.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.68%
20) 2-Butanone-d5	7.09	46	62506	52.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.82%
24) Chloroform-d	7.65	84	160268	23.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	8.31	65	91713	24.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.88%
29) Benzene-d6	8.27	84	329270	25.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.52%
33) 1,2-Dichloropropane-d6	9.28	67	93724	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.80%
37) Toluene-d8	10.33	98	319414	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.48%
38) trans-1,3-Dichloropropene-	10.58	79	36126	18.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.20%
39) 2-Hexanone-d5	10.93	63	48867	51.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.28%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	95396	24.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.24%
61) 1,2-Dichlorobenzene-d4	13.86	152	129184	25.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	7942m	2.659 ug/L	
3) Chloromethane	2.21	50	7662	2.612 ug/L	97
5) Vinyl chloride	2.37	62	10596	2.241 ug/L #	82
6) Bromomethane	2.79	94	7889m	2.143 ug/L	
8) Chloroethane	2.93	64	6607	2.280 ug/L	93
9) Trichlorofluoromethane	3.26	101	8618	2.279 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10212	2.701 ug/L #	50
12) 1,1-Dichloroethene	4.04	96	9130	2.516 ug/L #	1
13) Acetone	4.15	43	6381	5.347 ug/L	98
14) Carbon disulfide	4.38	76	21471	1.810 ug/L	97
15) Methyl Acetate	4.68	43	4765	2.465 ug/L #	65
16) Methylene chloride	4.91	84	15036	3.685 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	12103	2.049 ug/L #	88
18) trans-1,2-Dichloroethene	5.43	96	8179	2.036 ug/L	91
19) 1,1-Dichloroethane	6.21	63	13208	2.032 ug/L	96
21) 2-Butanone	7.19	43	7907	4.986 ug/L	75
22) cis-1,2-Dichloroethene	7.18	96	9155	2.089 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4151	2.014	ug/L	95
25) Chloroform	7.68	83	15696	2.243	ug/L	87
27) 1,2-Dichloroethane	8.41	62	10522	2.206	ug/L	99
30) Cyclohexane	7.96	56	12626	1.990	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	12916	2.139	ug/L	97
32) Carbon tetrachloride	8.07	117	12171	2.055	ug/L	96
34) Benzene	8.33	78	32896m	2.220	ug/L	
35) Trichloroethene	9.09	95	9046	2.170	ug/L	97
36) Methylcyclohexane	9.34	83	15277	2.000	ug/L	93
40) 1,2-Dichloropropane	9.37	63	7429	2.021	ug/L	98
41) Bromodichloromethane	9.65	83	8976	1.808	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	10018m	1.669	ug/L	
43) 4-Methyl-2-pentanone	10.21	43	12397	4.209	ug/L	99
44) Toluene	10.39	91	36844	2.215	ug/L	96
45) trans-1,3-Dichloropropene	10.61	75	10476	1.998	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	6658	2.175	ug/L	92
47) Tetrachloroethene	10.87	164	8503	2.203	ug/L	90
49) 2-Hexanone	10.98	43	8539	3.934	ug/L #	96
50) Dibromochloromethane	11.13	129	6845	1.745	ug/L	97
51) 1,2-Dibromoethane	11.24	107	6657	2.089	ug/L	97
52) Chlorobenzene	11.66	112	24038	2.135	ug/L	93
53) Ethylbenzene	11.74	91	40365	2.084	ug/L	97
54) m,p-Xylene	11.84	106	14683	1.934	ug/L	97
55) o-xylene	12.17	106	14294	1.972	ug/L	89
56) Styrene	12.18	104	22237	1.781	ug/L	97
57) Isopropylbenzene	12.47	105	38632	1.915	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	9213	2.316	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	6571	2.214	ug/L	98
62) Bromoform	12.35	173	4089	1.647	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	19340	2.126	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	19667	2.147	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	18782	2.244	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	1402	2.081	ug/L	83
67) 1,3,5-Trichlorobenzene	14.64	180	15395	2.099	ug/L	97
68) 1,2,4-trichlorobenzene	15.15	180	12581	2.012	ug/L	99
69) Naphthalene	15.38	128	23340	1.844	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	11358	2.022	ug/L	97

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

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