

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006304.D
 Acq On : 23 Oct 2018 19:25
 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 2:08:27 PM

Quant Time: Oct 24 05:34:54 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	401642	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	383610	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	203857	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	73934	16.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.28%
7) Chloroethane-d5	2.90	69	76581	19.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.56%
10) 1,1-Dichloroethene-d2	4.01	63	124077	14.26	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	57.04%
20) 2-Butanone-d5	7.09	46	51260	34.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.28%
24) Chloroform-d	7.65	84	180438	20.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.96%
26) 1,2-Dichloroethane-d4	8.31	65	104324	21.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.68%
29) Benzene-d6	8.28	84	363004	20.84	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.36%
33) 1,2-Dichloropropane-d6	9.28	67	107854	20.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.08%
37) Toluene-d8	10.33	98	358817	20.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.40%
38) trans-1,3-Dichloropropene-	10.58	79	43492	17.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.12%
39) 2-Hexanone-d5	10.93	63	42511	33.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	66.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	99040	19.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.52%
61) 1,2-Dichlorobenzene-d4	13.86	152	154054	22.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	10055m	2.649	ug/L
3) Chloromethane	2.21	50	8575	2.300	ug/L
5) Vinyl chloride	2.37	62	12089	2.012	ug/L #
6) Bromomethane	2.79	94	9520	2.035	ug/L
8) Chloroethane	2.93	64	7681	2.086	ug/L
9) Trichlorofluoromethane	3.26	101	9694	2.017	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	11042m	2.298	ug/L
12) 1,1-Dichloroethene	4.04	96	9864	2.139	ug/L #
13) Acetone	4.15	43	5840	3.850	ug/L
14) Carbon disulfide	4.38	76	25412	1.686	ug/L
15) Methyl Acetate	4.68	43	4358	1.774	ug/L #
16) Methylene chloride	4.92	84	20901	4.031	ug/L
17) Methyl tert-butyl Ether	5.43	73	15216	2.027	ug/L #
18) trans-1,2-Dichloroethene	5.42	96	10109	1.980	ug/L
19) 1,1-Dichloroethane	6.22	63	16554	2.004	ug/L
21) 2-Butanone	7.19	43	7098	3.522	ug/L
22) cis-1,2-Dichloroethene	7.18	96	11631	2.089	ug/L

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

23) Bromochloromethane	7.51	128	5176	1.976	ug/L	98
25) Chloroform	7.68	83	19899	2.238	ug/L	91
27) 1,2-Dichloroethane	8.41	62	12801	2.112	ug/L	98
30) Cyclohexane	7.96	56	14795	1.755	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	14929	1.860	ug/L	99
32) Carbon tetrachloride	8.07	117	13834	1.757	ug/L	97
34) Benzene	8.33	78	41073m	2.086	ug/L	
35) Trichloroethene	9.09	95	11240	2.029	ug/L	97
36) Methylcyclohexane	9.34	83	18295	1.802	ug/L	98
40) 1,2-Dichloropropane	9.37	63	9785	2.003	ug/L #	96
41) Bromodichloromethane	9.65	83	11694	1.773	ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	14089	1.766	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	12493	3.191	ug/L	97
44) Toluene	10.39	91	45594	2.062	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	14134	2.028	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	8202	2.016	ug/L	96
47) Tetrachloroethene	10.87	164	10296	2.007	ug/L	95
49) 2-Hexanone	10.98	43	8485	2.941	ug/L	95
50) Dibromochloromethane	11.13	129	8691	1.667	ug/L	97
51) 1,2-Dibromoethane	11.24	107	8135	1.921	ug/L	96
52) Chlorobenzene	11.66	112	30913	2.066	ug/L	98
53) Ethylbenzene	11.74	91	49627	1.928	ug/L	98
54) m,p-Xylene	11.84	106	19049	1.888	ug/L	99
55) o-xylene	12.17	106	18206	1.890	ug/L	91
56) Styrene	12.18	104	29767	1.794	ug/L	99
57) Isopropylbenzene	12.47	105	48804	1.821	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	10483	1.983	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	7559	1.916	ug/L	100
62) Bromoform	12.36	173	4944	1.447	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	25197	2.013	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	26303	2.086	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	24723	2.147	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	1392	1.502	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	20303	2.012	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	17085	1.986	ug/L	100
69) Naphthalene	15.38	128	28614	1.642	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	15552	2.012	ug/L	97

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

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