

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006299.D
 Acq On : 23 Oct 2018 16:50
 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 2:07:25 PM

Quant Time: Oct 24 04:27:39 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	340716	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	311157	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	165946	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	78936	20.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.16%
7) Chloroethane-d5	2.90	69	75440	22.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.24%
10) 1,1-Dichloroethene-d2	4.01	63	125071	16.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.80%
20) 2-Butanone-d5	7.09	46	63670	49.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.98%
24) Chloroform-d	7.65	84	176072	23.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.44%
26) 1,2-Dichloroethane-d4	8.31	65	101450	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.40%
29) Benzene-d6	8.28	84	358386	25.37	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.48%
33) 1,2-Dichloropropane-d6	9.28	67	104652	24.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.20%
37) Toluene-d8	10.33	98	340592	24.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.44%
38) trans-1,3-Dichloropropene-	10.58	79	41300	19.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.72%
39) 2-Hexanone-d5	10.93	63	49582	48.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.26%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	101542	24.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.96%
61) 1,2-Dichlorobenzene-d4	13.86	152	141109	24.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	4523m	1.405	ug/L
3) Chloromethane	2.21	50	4661	1.474	ug/L
5) Vinyl chloride	2.37	62	5871	1.152	ug/L #
6) Bromomethane	2.79	94	4700	1.184	ug/L
8) Chloroethane	2.94	64	3768	1.206	ug/L
9) Trichlorofluoromethane	3.26	101	5155m	1.264	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	6174m	1.514	ug/L
12) 1,1-Dichloroethene	4.04	96	5706m	1.459	ug/L
13) Acetone	4.13	43	3751m	2.915	ug/L
14) Carbon disulfide	4.38	76	12479	0.976	ug/L #
15) Methyl Acetate	4.67	43	2851m	1.368	ug/L
16) Methylene chloride	4.92	84	12179	2.769	ug/L
17) Methyl tert-butyl Ether	5.43	73	7076	1.111	ug/L #
18) trans-1,2-Dichloroethene	5.42	96	4989	1.152	ug/L
19) 1,1-Dichloroethane	6.21	63	7706	1.100	ug/L
21) 2-Butanone	7.18	43	4168m	2.438	ug/L
22) cis-1,2-Dichloroethene	7.17	96	5326	1.127	ug/L

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

23) Bromochloromethane	7.52	128	2611	1.175	ug/L	92
25) Chloroform	7.68	83	9482	1.257	ug/L	78
27) 1,2-Dichloroethane	8.40	62	6209	1.207	ug/L	98
30) Cyclohexane	7.96	56	7187	1.051	ug/L	97
31) 1,1,1-Trichloroethane	7.88	97	7431	1.141	ug/L	98
32) Carbon tetrachloride	8.07	117	6725	1.053	ug/L	98
34) Benzene	8.32	78	19020	1.191	ug/L	100
35) Trichloroethene	9.09	95	5194	1.156	ug/L	98
36) Methylcyclohexane	9.34	83	8976	1.090	ug/L	99
40) 1,2-Dichloropropane	9.37	63	4578	1.155	ug/L #	94
41) Bromodichloromethane	9.65	83	5280	0.987	ug/L	90
42) cis-1,3-Dichloropropene	10.08	75	6226	0.962	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	7129	2.245	ug/L	99
44) Toluene	10.39	91	21093	1.176	ug/L	94
45) trans-1,3-Dichloropropene	10.60	75	7373	1.304	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	3854	1.168	ug/L	94
47) Tetrachloroethene	10.87	164	4832	1.161	ug/L	91
49) 2-Hexanone	10.98	43	4851	2.073	ug/L	96
50) Dibromochloromethane	11.13	129	4043	0.956	ug/L	98
51) 1,2-Dibromoethane	11.24	107	3744	1.090	ug/L	97
52) Chlorobenzene	11.66	112	14092	1.161	ug/L	98
53) Ethylbenzene	11.74	91	23263	1.114	ug/L	94
54) m,p-Xylene	11.84	106	8721	1.066	ug/L	86
55) o-xylene	12.17	106	7679	0.983	ug/L	90
56) Styrene	12.18	104	12941	0.962	ug/L	95
57) Isopropylbenzene	12.47	105	21776	1.001	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	5281	1.232	ug/L #	95
59) 1,2,3-Trichloropropane	12.77	75	3806	1.190	ug/L	96
62) Bromoform	12.35	173	2270	0.816	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	11405	1.119	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	11790	1.149	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	10910	1.164	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.49	75	748m	0.991	ug/L	
67) 1,3,5-Trichlorobenzene	14.63	180	8958	1.091	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	7309	1.043	ug/L	99
69) Naphthalene	15.38	128	13217	0.932	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	6420	1.020	ug/L	94

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

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