

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006307.D
 Acq On : 23 Oct 2018 20:42
 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 2:08:11 PM

Quant Time: Oct 24 06:53:03 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	337979	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	314056	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	165755	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	72312	18.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.88%
7) Chloroethane-d5	2.90	69	71954	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.72%
10) 1,1-Dichloroethene-d2	4.01	63	119763	16.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.44%
20) 2-Butanone-d5	7.09	46	57954	45.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.74%
24) Chloroform-d	7.65	84	160263	21.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.56%
26) 1,2-Dichloroethane-d4	8.31	65	94050	23.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.88%
29) Benzene-d6	8.27	84	329980	23.14	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.56%
33) 1,2-Dichloropropane-d6	9.28	67	94915	22.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.24%
37) Toluene-d8	10.33	98	324086	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.92%
38) trans-1,3-Dichloropropene-	10.58	79	38549	18.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.72%
39) 2-Hexanone-d5	10.93	63	46422	44.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	97990	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	134652	23.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	8630m	2.702	ug/L
3) Chloromethane	2.21	50	7789	2.483	ug/L
5) Vinyl chloride	2.37	62	10756	2.127	ug/L #
6) Bromomethane	2.79	94	8153	2.071	ug/L
8) Chloroethane	2.93	64	6633	2.140	ug/L
9) Trichlorofluoromethane	3.26	101	8377	2.071	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10410m	2.574	ug/L
12) 1,1-Dichloroethene	4.03	96	8530	2.198	ug/L #
13) Acetone	4.15	43	6579	5.154	ug/L
14) Carbon disulfide	4.38	76	21900	1.726	ug/L
15) Methyl Acetate	4.68	43	4703	2.275	ug/L
16) Methylene chloride	4.92	84	16556	3.794	ug/L
17) Methyl tert-butyl Ether	5.43	73	13223	2.093	ug/L #
18) trans-1,2-Dichloroethene	5.43	96	9440	2.197	ug/L
19) 1,1-Dichloroethane	6.23	63	14159	2.037	ug/L
21) 2-Butanone	7.19	43	7878	4.645	ug/L
22) cis-1,2-Dichloroethene	7.17	96	9410	2.008	ug/L

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

23) Bromochloromethane	7.52	128	4461	2.024	ug/L	91
25) Chloroform	7.68	83	16062	2.146	ug/L	87
27) 1,2-Dichloroethane	8.41	62	11086	2.173	ug/L #	94
30) Cyclohexane	7.96	56	13602	1.971	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	13816	2.102	ug/L	98
32) Carbon tetrachloride	8.07	117	12434	1.929	ug/L	100
34) Benzene	8.32	78	34089m	2.114	ug/L	
35) Trichloroethene	9.09	95	9311	2.053	ug/L	97
36) Methylcyclohexane	9.34	83	16383	1.971	ug/L	98
40) 1,2-Dichloropropane	9.37	63	7904	1.976	ug/L #	97
41) Bromodichloromethane	9.65	83	9436	1.747	ug/L #	99
42) cis-1,3-Dichloropropene	10.08	75	11619	1.779	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	12758	3.981	ug/L	98
44) Toluene	10.39	91	38620	2.133	ug/L	97
45) trans-1,3-Dichloropropene	10.61	75	11474	2.011	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	7188	2.158	ug/L	93
47) Tetrachloroethene	10.87	164	9139	2.176	ug/L	94
49) 2-Hexanone	10.98	43	8765	3.711	ug/L	97
50) Dibromochloromethane	11.13	129	7076	1.658	ug/L	100
51) 1,2-Dibromoethane	11.24	107	6852	1.976	ug/L	95
52) Chlorobenzene	11.66	112	25239	2.060	ug/L	99
53) Ethylbenzene	11.73	91	41781	1.982	ug/L	98
54) m,p-Xylene	11.84	106	15973	1.934	ug/L	95
55) o-xylene	12.17	106	14571	1.847	ug/L	93
56) Styrene	12.18	104	24231	1.784	ug/L	96
57) Isopropylbenzene	12.47	105	42500	1.936	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	9612	2.221	ug/L #	89
59) 1,2,3-Trichloropropane	12.77	75	6985	2.163	ug/L	98
62) Bromoform	12.35	173	4557	1.641	ug/L	94
63) 1,3-Dichlorobenzene	13.51	146	20345	1.999	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	21810	2.128	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	19911	2.126	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	1372	1.820	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.63	180	16565	2.019	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	13718	1.961	ug/L	98
69) Naphthalene	15.38	128	25296	1.786	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	12321	1.960	ug/L	98

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

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