

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006303.D
 Acq On : 23 Oct 2018 18:59
 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 2:07:57 PM

Quant Time: Oct 24 05:33:50 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	343835	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	323142	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	169850	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	76969	19.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.40%
7) Chloroethane-d5	2.90	69	76328	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.48%
10) 1,1-Dichloroethene-d2	4.01	63	125660	16.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.52%
20) 2-Butanone-d5	7.09	46	56662	44.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.16%
24) Chloroform-d	7.65	84	173265	23.26	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.04%
26) 1,2-Dichloroethane-d4	8.31	65	99737	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.80%
29) Benzene-d6	8.28	84	351293	23.94	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.76%
33) 1,2-Dichloropropane-d6	9.28	67	102890	23.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.96%
37) Toluene-d8	10.33	98	346790	23.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.56%
38) trans-1,3-Dichloropropene-	10.58	79	41326	19.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.84%
39) 2-Hexanone-d5	10.93	63	46505	43.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.94%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	100889	23.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.72%
61) 1,2-Dichlorobenzene-d4	13.86	152	146622	25.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.76%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	9070m	2.791 ug/L	
3) Chloromethane	2.21	50	7826	2.452 ug/L	99
5) Vinyl chloride	2.37	62	11085	2.155 ug/L #	72
6) Bromomethane	2.79	94	8321	2.078 ug/L	96
8) Chloroethane	2.93	64	6901	2.189 ug/L	96
9) Trichlorofluoromethane	3.26	101	8642	2.100 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	10098	2.454 ug/L	87
12) 1,1-Dichloroethene	4.04	96	9305	2.357 ug/L #	1
13) Acetone	4.14	43	5770	4.444 ug/L	99
14) Carbon disulfide	4.38	76	22537	1.746 ug/L	95
15) Methyl Acetate	4.67	43	4195m	1.995 ug/L	
16) Methylene chloride	4.91	84	17421	3.924 ug/L	93
17) Methyl tert-butyl Ether	5.43	73	13294	2.069 ug/L #	66
18) trans-1,2-Dichloroethene	5.43	96	9159	2.096 ug/L	88
19) 1,1-Dichloroethane	6.22	63	13967	1.975 ug/L	94
21) 2-Butanone	7.19	43	7200m	4.173 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	9752	2.046 ug/L	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4311	1.923	ug/L	91
25) Chloroform	7.68	83	16809	2.208	ug/L	90
27) 1,2-Dichloroethane	8.40	62	11040	2.127	ug/L	100
30) Cyclohexane	7.96	56	13543	1.907	ug/L	98
31) 1,1,1-Trichloroethane	7.88	97	13281	1.964	ug/L	96
32) Carbon tetrachloride	8.07	117	12203	1.840	ug/L	97
34) Benzene	8.33	78	34787m	2.097	ug/L	
35) Trichloroethene	9.10	95	9613	2.060	ug/L	99
36) Methylcyclohexane	9.34	83	16568	1.937	ug/L	98
40) 1,2-Dichloropropane	9.37	63	8418	2.046	ug/L	100
41) Bromodichloromethane	9.65	83	9910	1.783	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	11952	1.778	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	11283	3.422	ug/L	97
44) Toluene	10.39	91	39198	2.104	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	12201	2.078	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	7144	2.085	ug/L	98
47) Tetrachloroethene	10.87	164	9069	2.099	ug/L	92
49) 2-Hexanone	10.97	43	7719	3.176	ug/L	94
50) Dibromochloromethane	11.13	129	7216	1.643	ug/L	95
51) 1,2-Dibromoethane	11.24	107	7260	2.035	ug/L #	99
52) Chlorobenzene	11.66	112	26288	2.085	ug/L	97
53) Ethylbenzene	11.74	91	42605	1.965	ug/L	100
54) m,p-Xylene	11.84	106	16231	1.910	ug/L	95
55) o-xylene	12.17	106	15284	1.883	ug/L	98
56) Styrene	12.18	104	24904	1.782	ug/L	97
57) Isopropylbenzene	12.47	105	41866	1.854	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	9437	2.119	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	6945	2.090	ug/L	100
62) Bromoform	12.35	173	4399	1.546	ug/L	100
63) 1,3-Dichlorobenzene	13.51	146	21516	2.063	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	22357	2.128	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	20419	2.128	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	1433	1.855	ug/L	89
67) 1,3,5-Trichlorobenzene	14.63	180	16929	2.013	ug/L	96
68) 1,2,4-trichlorobenzene	15.14	180	14040	1.958	ug/L	100
69) Naphthalene	15.38	128	25740	1.773	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	12742	1.978	ug/L	97

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

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