

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112618\
 Data File : VD060456.D
 Acq On : 26 Nov 2018 15:44
 Operator : VA/AP
 Sample : J5918-03MS
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FDSB-05(25-27)MS

Quant Time: Nov 26 16:24:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 19 16:31:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.44	168	1305976	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.48	114	1738629	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.30	117	1389975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.39	152	695120	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.82	65	432527	46.25	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.50%	
35) Dibromofluoromethane	6.35	113	671980	51.83	ug/l	0.02
Spiked Amount	50.000		Recovery	=	103.66%	
50) Toluene-d8	9.48	98	1851159	48.79	ug/l	0.02
Spiked Amount	50.000		Recovery	=	97.58%	
62) 4-Bromofluorobenzene	12.45	95	661597	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	454236	43.772	ug/l	99
3) Chloromethane	1.78	50	504632	40.793	ug/l	100
4) Vinyl Chloride	1.87	62	437221	43.278	ug/l	99
5) Bromomethane	2.17	94	130784	54.565	ug/l	93
6) Chloroethane	2.28	64	161909	48.301	ug/l	98
7) Trichlorofluoromethane	2.54	101	571200	47.956	ug/l	98
8) Diethyl Ether	2.85	74	104458	48.439	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.12	101	375881	47.980	ug/l	99
10) Methyl Iodide	3.27	142	427720	42.037	ug/l	96
11) Tert butyl alcohol	4.00	59	103869	270.502	ug/l #	94
12) 1,1-Dichloroethene	3.11	96	300547	47.164	ug/l	97
13) Acrolein	3.01	56	78561	173.148	ug/l	94
14) Allyl chloride	3.57	41	600552	49.255	ug/l	99
15) Acrylonitrile	4.12	53	542894	242.450	ug/l	97
16) Acetone	3.19	43	378460	233.325	ug/l	98
17) Carbon Disulfide	3.34	76	857247	41.678	ug/l	100
18) Methyl Acetate	3.59	43	190113	54.969	ug/l	100
19) Methyl tert-butyl Ether	4.16	73	943468	49.445	ug/l	99
20) Methylene Chloride	3.76	84	687466	47.778	ug/l	97
21) trans-1,2-Dichloroethene	4.14	96	694624	49.094	ug/l	95
22) Diisopropyl ether	4.89	45	2280064	50.053	ug/l	97
23) Vinyl Acetate	4.84	43	5500112	242.657	ug/l	99
24) 1,1-Dichloroethane	4.79	63	1167978	50.001	ug/l	100
25) 2-Butanone	5.66	43	787779	233.659	ug/l	100
26) 2,2-Dichloropropane	5.62	77	949530	52.284	ug/l	98
27) cis-1,2-Dichloroethene	5.63	96	754507	51.188	ug/l	98
28) Bromochloromethane	5.96	49	519844	50.437	ug/l	93
29) Tetrahydrofuran	5.99	42	399785	224.909	ug/l	98
30) Chloroform	6.14	83	1184273	50.713	ug/l	100
31) Cyclohexane	6.40	56	967719	43.344	ug/l	97
32) 1,1,1-Trichloroethane	6.32	97	992952	50.479	ug/l	99
36) 1,1-Dichloropropene	6.56	75	864640	50.337	ug/l	98
37) Ethyl Acetate	5.73	43	401466	50.792	ug/l	98
38) Carbon Tetrachloride	6.53	117	823912	51.708	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	918967	46.516	ug/l	95
40) Benzene	6.83	78	2197128	50.110	ug/l	99
41) Methacrylonitrile	5.96	41	431755	47.725	ug/l #	82
42) 1,2-Dichloroethane	6.93	62	585859	51.049	ug/l	98
43) Isopropyl Acetate	8.38	43	494738	49.830	ug/l #	98
44) Trichloroethene	7.77	130	697469	52.476	ug/l	97
45) 1,2-Dichloropropane	8.14	63	583867	52.800	ug/l	97
46) Dibromomethane	8.24	93	330778	51.074	ug/l	99
47) Bromodichloromethane	8.52	83	798687	52.333	ug/l	100
48) Methyl methacrylate	8.27	41	309266	51.281	ug/l	95
49) 1,4-Dioxane	8.26	88	56900	1090.445	ug/l	92
51) 4-Methyl-2-Pentanone	9.38	43	1560903	241.547	ug/l	98
52) Toluene	9.58	92	1433634	51.187	ug/l	100
53) t-1,3-Dichloropropene	9.95	75	672552	52.156	ug/l	99
54) cis-1,3-Dichloropropene	9.13	75	864123	52.247	ug/l	98
55) 1,1,2-Trichloroethane	10.21	97	396220	48.809	ug/l	97
56) Ethyl methacrylate	10.06	69	375606	50.323	ug/l	96
57) 1,3-Dichloropropane	10.41	76	616492	49.839	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.95	63	1135102	251.516	ug/l	100
59) 2-Hexanone	10.52	43	1174564	255.019	ug/l	96
60) Dibromochloromethane	10.66	129	531363	53.848	ug/l	98
61) 1,2-Dibromoethane	10.78	107	417200	51.294	ug/l	99
64) Tetrachloroethene	10.28	164	625938	50.443	ug/l	99
65) Chlorobenzene	11.33	112	1568867	52.093	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.44	131	521791	52.952	ug/l	98
67) Ethyl Benzene	11.45	91	2659510	51.621	ug/l	100
68) m/p-Xylenes	11.59	106	1959164	103.089	ug/l	99
69) o-Xylene	11.95	106	937062	51.038	ug/l	95
70) Styrene	11.97	104	1497494	50.468	ug/l	97
71) Bromoform	12.14	173	349959	52.851	ug/l	99
73) Isopropylbenzene	12.30	105	2606353	51.464	ug/l	99
74) N-amyl acetate	12.15	43	661407	50.939	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	433421	52.329	ug/l	97
76) 1,2,3-Trichloropropane	12.61	75	404136	48.602	ug/l	97
77) Bromobenzene	12.56	156	661717	49.189	ug/l	89
78) n-propylbenzene	12.65	91	3124578	49.429	ug/l	98
79) 2-Chlorotoluene	12.72	91	1745094	50.405	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	1952627	49.611	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.36	75	121429	51.293	ug/l	92
82) 4-Chlorotoluene	12.83	91	1961023	50.423	ug/l	93
83) tert-Butylbenzene	13.07	119	2189968	50.118	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	1991338	50.661	ug/l	96
85) sec-Butylbenzene	13.24	105	2597755	48.456	ug/l	97
86) p-Isopropyltoluene	13.36	119	2107886	48.825	ug/l	98
87) 1,3-Dichlorobenzene	13.33	146	1169300	48.855	ug/l	97
88) 1,4-Dichlorobenzene	13.41	146	1154011	49.370	ug/l	96
89) n-Butylbenzene	13.67	91	2111091	50.300	ug/l	98
90) Hexachloroethane	13.87	117	520768	50.870	ug/l	92
91) 1,2-Dichlorobenzene	13.68	146	975029	49.597	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.25	75	51378	51.388	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.81	180	738436	47.376	µg/l	98
94) Hexachlorobutadiene	14.90	225	465148	39.898	µg/l	99
95) Naphthalene	14.98	128	955106	50.183	µg/l	100
96) 1,2,3-Trichlorobenzene	15.13	180	600787	48.101	µg/l	98

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

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