

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD111418\
 Data File : VD060384.D
 Acq On : 14 Nov 2018 17:38
 Operator : JC/SY
 Sample : J5918-04MSD
 Misc : 5.07g/5ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Nov 15 05:42:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	1632640	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	7.42	114	2211465	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	1720930	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	861101	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.76	65	525892	44.99	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	89.98%	
35) Dibromofluoromethane	6.30	113	799534	48.48	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	9.43	98	2348846	48.67	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.41	95	846686	48.41	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	564734	43.50	ug/l	97
3) Chloromethane	1.75	50	617371	39.92	ug/l	98
4) Vinyl Chloride	1.85	62	529356	41.91	ug/l	100
5) Bromomethane	2.14	94	167035	55.75	ug/l	100
6) Chloroethane	2.25	64	199542	47.62	ug/l	98
7) Trichlorofluoromethane	2.50	101	661305	44.41	ug/l	96
8) Diethyl Ether	2.81	74	119520	44.33	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.08	101	426636	43.56	ug/l	95
10) Methyl Iodide	3.23	142	504926	39.70	ug/l	99
11) Tert butyl alcohol	3.95	59	112953	235.30	ug/l	96
12) 1,1-Dichloroethene	3.06	96	341852	42.91	ug/l	95
13) Acrolein	2.97	56	68893	121.46	ug/l	100
14) Allyl chloride	3.51	41	675822	44.34	ug/l	99
15) Acrylonitrile	4.05	53	602957	215.40	ug/l	98
16) Acetone	3.14	43	352678	173.93	ug/l	98
17) Carbon Disulfide	3.30	76	1041465	40.50	ug/l	99
18) Methyl Acetate	3.53	43	189938	43.93	ug/l	99
19) Methyl tert-butyl Ether	4.10	73	1080546	45.30	ug/l	98
20) Methylene Chloride	3.70	84	865461	48.11	ug/l	94
21) trans-1,2-Dichloroethene	4.07	96	807391	45.65	ug/l	99
22) Diisopropyl ether	4.83	45	2552477	44.82	ug/l	99
23) Vinyl Acetate	4.78	43	6062886	213.97	ug/l	99
24) 1,1-Dichloroethane	4.73	63	1310603	44.88	ug/l	99
25) 2-Butanone	5.60	43	818728	194.25	ug/l	98
26) 2,2-Dichloropropane	5.56	77	1051099	46.30	ug/l	98
27) cis-1,2-Dichloroethene	5.57	96	852878	46.28	ug/l	97
28) Bromochloromethane	5.89	49	630030	48.90	ug/l	98
29) Tetrahydrofuran	5.92	42	459329	206.70	ug/l	99
30) Chloroform	6.07	83	1447702	49.59	ug/l	97
31) Cyclohexane	6.34	56	1153730	41.34	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	1118312	45.48	ug/l	99
36) 1,1-Dichloropropene	6.49	75	1013633	46.39	ug/l	99
37) Ethyl Acetate	5.67	43	440362	43.80	ug/l	97
38) Carbon Tetrachloride	6.47	117	923389	45.56	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.01	83	1089337	43.35	ug/l	99
40) Benzene	6.77	78	2652297	47.56	ug/l	100
41) Methacrylonitrile	5.89	41	501174	43.55	ug/l #	78
42) 1,2-Dichloroethane	6.87	62	646797	44.31	ug/l	100
43) Isopropyl Acetate	8.32	43	561370	44.45	ug/l #	98
44) Trichloroethene	7.71	130	818602	48.42	ug/l	100
45) 1,2-Dichloropropane	8.08	63	675977	48.06	ug/l	100
46) Dibromomethane	8.19	93	374063	45.41	ug/l	99
47) Bromodichloromethane	8.46	83	910710	46.91	ug/l	98
48) Methyl methacrylate	8.22	41	346957	45.23	ug/l	99
49) 1,4-Dioxane	8.21	88	64908	977.95	ug/l	88
51) 4-Methyl-2-Pentanone	9.32	43	1779942	216.55	ug/l	99
52) Toluene	9.53	92	1669188	46.85	ug/l	99
53) t-1,3-Dichloropropene	9.89	75	750298	45.74	ug/l	99
54) cis-1,3-Dichloropropene	9.08	75	995023	47.30	ug/l	96
55) 1,1,2-Trichloroethane	10.16	97	454150	43.98	ug/l	98
56) Ethyl methacrylate	10.01	69	444146	46.78	ug/l	99
57) 1,3-Dichloropropane	10.36	76	694399	44.13	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	1308098	227.88	ug/l	98
59) 2-Hexanone	10.47	43	1235361	210.87	ug/l	99
60) Dibromochloromethane	10.62	129	589842	46.99	ug/l	98
61) 1,2-Dibromoethane	10.74	107	460297	44.49	ug/l	96
64) Tetrachloroethene	10.22	164	741007	48.23	ug/l	97
65) Chlorobenzene	11.30	112	1796947	48.19	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.40	131	594993	48.77	ug/l	96
67) Ethyl Benzene	11.41	91	3070899	48.14	ug/l	99
68) m/p-Xylenes	11.55	106	2229796	94.77	ug/l	97
69) o-Xylene	11.92	106	1081174	47.56	ug/l	99
70) Styrene	11.95	104	1738039	47.31	ug/l	98
71) Bromoform	12.10	173	388359	47.37	ug/l	99
73) Isopropylbenzene	12.26	105	3052394	48.65	ug/l	99
74) N-amyl acetate	12.12	43	769921	47.87	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	472297	46.03	ug/l	97
76) 1,2,3-Trichloropropane	12.59	75	467982	45.43	ug/l	99
77) Bromobenzene	12.53	156	806519	48.40	ug/l	96
78) n-propylbenzene	12.63	91	3631147	46.37	ug/l	100
79) 2-Chlorotoluene	12.69	91	2023940	47.19	ug/l	100
80) 1,3,5-Trimethylbenzene	12.78	105	2297356	47.12	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.33	75	135442	46.18	ug/l	99
82) 4-Chlorotoluene	12.79	91	2274073	47.20	ug/l	100
83) tert-Butylbenzene	13.04	119	2440407	45.08	ug/l	99
84) 1,2,4-Trimethylbenzene	13.08	105	2325006	47.75	ug/l	100
85) sec-Butylbenzene	13.21	105	3078672	46.36	ug/l	100
86) p-Isopropyltoluene	13.33	119	2360094	44.13	ug/l	99
87) 1,3-Dichlorobenzene	13.30	146	1421300	47.94	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	1366168	47.18	ug/l	99
89) n-Butylbenzene	13.64	91	2397912	45.29	ug/l	99
90) Hexachloroethane	13.85	117	607806	47.93	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1149411	47.20	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	55459	44.78	ug/l	90

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93) 1,2,4-Trichlorobenzene	14.78	180	837701	43.39	ug/l	98
94) Hexachlorobutadiene	14.87	225	525040	36.35	ug/l	99
95) Naphthalene	14.96	128	1082469	45.91	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	696389	45.01	ug/l	98

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

