

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080619\
 Data File : VD063413.D
 Acq On : 6 Aug 2019 21:43
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 07 06:44:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	989410	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1312674	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1095520	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	570894	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	498298	45.39	ug/l	0.02
Spiked Amount	50.000		Recovery	=	90.78%	
35) Dibromofluoromethane	6.93	113	566305	50.53	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.06%	
50) Toluene-d8	10.41	98	1302710	51.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	13.55	95	516532	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	499101	41.268	ug/l	99
3) Chloromethane	1.75	50	395515	42.092	ug/l	97
4) Vinyl Chloride	1.85	62	409868	42.135	ug/l	98
5) Bromomethane	2.15	94	234915	47.883	ug/l	98
6) Chloroethane	2.27	64	172975	38.515	ug/l	93
7) Trichlorofluoromethane	2.53	101	884581	46.874	ug/l	99
8) Diethyl Ether	2.87	74	105303	39.871	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.15	101	495166	47.368	ug/l	98
10) Methyl Iodide	3.31	142	662275	43.856	ug/l	99
11) Tert butyl alcohol	4.08	59	90779	188.421	ug/l #	90
12) 1,1-Dichloroethene	3.13	96	359842	46.890	ug/l	87
13) Acrolein	3.04	56	78798	169.943	ug/l	88
14) Allyl chloride	3.62	41	512543	41.925	ug/l	89
15) Acrylonitrile	4.20	53	269482	215.746	ug/l	97
16) Acetone	3.23	43	421266	196.942	ug/l	95
17) Carbon Disulfide	3.37	76	1079997	42.045	ug/l	96
18) Methyl Acetate	3.65	43	175204	42.642	ug/l	98
19) Methyl tert-butyl Ether	4.24	73	773957	44.647	ug/l	95
20) Methylene Chloride	3.82	84	370686	42.873	ug/l	96
21) trans-1,2-Dichloroethene	4.22	96	380312	44.167	ug/l	93
22) Diisopropyl ether	5.13	45	1068841	43.760	ug/l	94
23) Vinyl Acetate	5.07	43	3290690	219.174	ug/l	99
24) 1,1-Dichloroethane	4.99	63	731618	46.894	ug/l	98
25) 2-Butanone	6.08	43	475379	221.447	ug/l	93
26) 2,2-Dichloropropane	6.03	77	709202	44.110	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	413976	44.841	ug/l	97
28) Bromochloromethane	6.45	49	291294	46.861	ug/l #	98
29) Tetrahydrofuran	6.47	42	222711	219.128	ug/l	97
30) Chloroform	6.67	83	919143	47.472	ug/l	94
31) Cyclohexane	6.96	56	413605	42.295	ug/l	93
32) 1,1,1-Trichloroethane	6.87	97	956910	51.096	ug/l	98
36) 1,1-Dichloropropene	7.15	75	601014	50.169	ug/l	99
37) Ethyl Acetate	6.19	43	240943	44.768	ug/l	98
38) Carbon Tetrachloride	7.12	117	996312	55.243	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	468144	46.903	ug/l	87
40) Benzene	7.46	78	1206176	48.041	ug/l	100
41) Methacrylonitrile	6.46	41	289786	45.012	ug/l #	87
42) 1,2-Dichloroethane	7.59	62	654163	49.162	ug/l	100
43) Isopropyl Acetate	9.25	43	312083	45.394	ug/l	100
44) Trichloroethene	8.54	130	488235	47.989	ug/l	96
45) 1,2-Dichloropropane	8.95	63	280088	43.889	ug/l	96
46) Dibromomethane	9.06	93	256555	48.350	ug/l #	85
47) Bromodichloromethane	9.38	83	692034	51.162	ug/l	99
48) Methyl methacrylate	9.12	41	214964	48.211	ug/l	92
49) 1,4-Dioxane	9.08	88	34165	904.122	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	1104975	236.329	ug/l	98
52) Toluene	10.51	92	829797	49.691	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	581694	49.882	ug/l	92
54) cis-1,3-Dichloropropene	10.05	75	593019	48.387	ug/l	97
55) 1,1,2-Trichloroethane	11.20	97	283573	50.281	ug/l	93
56) Ethyl methacrylate	11.04	69	298941	48.406	ug/l	94
57) 1,3-Dichloropropane	11.41	76	434194	48.863	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	709098	220.662	ug/l	96
59) 2-Hexanone	11.54	43	767595	227.813	ug/l	100
60) Dibromochloromethane	11.69	129	545517	51.236	ug/l	100
61) 1,2-Dibromoethane	11.81	107	352566	50.662	ug/l	94
64) Tetrachloroethene	11.26	164	449763	51.533	ug/l	98
65) Chlorobenzene	12.40	112	1033831	49.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	464432	50.036	ug/l	99
67) Ethyl Benzene	12.53	91	1748846	48.856	ug/l	99
68) m/p-Xylenes	12.68	106	1273992	97.047	ug/l	97
69) o-Xylene	13.05	106	607139	50.364	ug/l	98
70) Styrene	13.07	104	1091903	51.074	ug/l	93
71) Bromoform	13.24	173	339501	50.297	ug/l	98
73) Isopropylbenzene	13.41	105	2007265	56.020	ug/l	97
74) N-amyl acetate	13.27	43	476684	50.324	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	333793	54.842	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	356618	52.007	ug/l	98
77) Bromobenzene	13.67	156	539506	52.856	ug/l	96
78) n-propylbenzene	13.78	91	2324515	54.515	ug/l	99
79) 2-Chlorotoluene	13.84	91	1244338	50.364	ug/l	92
80) 1,3,5-Trimethylbenzene	13.94	105	1628643	52.700	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	83772	43.996	ug/l	92
82) 4-Chlorotoluene	13.95	91	1564983	53.823	ug/l	93
83) tert-Butylbenzene	14.19	119	1855071	52.571	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1666037	52.120	ug/l	97
85) sec-Butylbenzene	14.37	105	1813920	48.791	ug/l	99
86) p-Isopropyltoluene	14.49	119	1723960	48.584	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	942791	52.157	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	902495	49.374	ug/l	96
89) n-Butylbenzene	14.80	91	1648330	53.784	ug/l	100
90) Hexachloroethane	15.01	117	471797	51.034	ug/l	88
91) 1,2-Dichlorobenzene	14.81	146	794725	50.461	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	62910	50.743	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	618211	49.480	ug/l	96
94) Hexachlorobutadiene	16.04	225	449346	49.628	ug/l	98
95) Naphthalene	16.12	128	890245	50.413	ug/l	97
96) 1,2,3-Trichlorobenzene	16.27	180	485995	49.239	ug/l	99

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

