

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080219\
 Data File : VD063351.D
 Acq On : 3 Aug 2019 8:42
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 04 03:46:34 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	7.04	168	852702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1169152	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1027490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	591635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	531619	56.19	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.38%	
35) Dibromofluoromethane	6.92	113	556961	55.80	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.60%	
50) Toluene-d8	10.41	98	1290406	57.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.52%	
62) 4-Bromofluorobenzene	13.55	95	544594	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	516252	49.529	ug/l	99
3) Chloromethane	1.74	50	412042	50.881	ug/l	94
4) Vinyl Chloride	1.84	62	431965	51.526	ug/l	99
5) Bromomethane	2.15	94	238916	56.506	ug/l	99
6) Chloroethane	2.27	64	200411	51.778	ug/l	95
7) Trichlorofluoromethane	2.52	101	887385	54.562	ug/l	98
8) Diethyl Ether	2.87	74	119562	52.528	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	517691	57.463	ug/l	97
10) Methyl Iodide	3.30	142	706168	54.259	ug/l	96
11) Tert butyl alcohol	4.08	59	108560	261.453	ug/l #	94
12) 1,1-Dichloroethene	3.12	96	365685	55.291	ug/l	90
13) Acrolein	3.02	56	77671	194.368	ug/l	100
14) Allyl chloride	3.62	41	566198	53.739	ug/l	90
15) Acrylonitrile	4.20	53	308396	286.484	ug/l	93
16) Acetone	3.22	43	456000	247.358	ug/l	97
17) Carbon Disulfide	3.37	76	1086996	49.102	ug/l	99
18) Methyl Acetate	3.63	43	232981	65.795	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	856539	57.333	ug/l	99
20) Methylene Chloride	3.81	84	388484	52.135	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	402028	54.174	ug/l	94
22) Diisopropyl ether	5.12	45	1192685	56.659	ug/l	100
23) Vinyl Acetate	5.05	43	3521605	272.159	ug/l	100
24) 1,1-Dichloroethane	4.98	63	797692	59.327	ug/l	100
25) 2-Butanone	6.07	43	521383	281.815	ug/l #	88
26) 2,2-Dichloropropane	6.02	77	700165	50.530	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	466320	58.609	ug/l	89
28) Bromochloromethane	6.43	49	301014	56.189	ug/l #	93
29) Tetrahydrofuran	6.46	42	238150	271.885	ug/l	98
30) Chloroform	6.66	83	1007005	60.349	ug/l	98
31) Cyclohexane	6.94	56	415785	49.334	ug/l	98
32) 1,1,1-Trichloroethane	6.86	97	969948	60.095	ug/l	97
36) 1,1-Dichloropropene	7.14	75	589844	55.281	ug/l	98
37) Ethyl Acetate	6.18	43	258916	54.013	ug/l	96
38) Carbon Tetrachloride	7.11	117	974240	60.650	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	477407	53.702	ug/l	98
40) Benzene	7.45	78	1293816	57.857	ug/l	97
41) Methacrylonitrile	6.44	41	348093	60.706	ug/l #	85
42) 1,2-Dichloroethane	7.57	62	724810	61.157	ug/l	100
43) Isopropyl Acetate	9.24	43	357533	58.389	ug/l	95
44) Trichloroethene	8.54	130	508328	56.098	ug/l	88
45) 1,2-Dichloropropane	8.94	63	303106	53.327	ug/l	97
46) Dibromomethane	9.06	93	281327	59.526	ug/l	96
47) Bromodichloromethane	9.37	83	718654	59.653	ug/l	98
48) Methyl methacrylate	9.12	41	246605	62.096	ug/l	95
49) 1,4-Dioxane	9.08	88	40585	1207.240	ug/l	90
51) 4-Methyl-2-Pentanone	10.30	43	1295089	310.993	ug/l	99
52) Toluene	10.51	92	871586	58.601	ug/l	92
53) t-1,3-Dichloropropene	10.91	75	571922	55.064	ug/l	97
54) cis-1,3-Dichloropropene	10.03	75	616273	56.457	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	311936	62.099	ug/l	95
56) Ethyl methacrylate	11.04	69	360031	65.454	ug/l	95
57) 1,3-Dichloropropane	11.40	76	493049	62.297	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	692767	242.045	ug/l	97
59) 2-Hexanone	11.53	43	903942	301.212	ug/l	98
60) Dibromochloromethane	11.68	129	585951	61.790	ug/l	99
61) 1,2-Dibromoethane	11.81	107	390763	63.043	ug/l	97
64) Tetrachloroethene	11.25	164	515578	62.986	ug/l	98
65) Chlorobenzene	12.40	112	1063092	53.791	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	524976	60.304	ug/l	93
67) Ethyl Benzene	12.52	91	1942247	57.851	ug/l	99
68) m/p-Xylenes	12.66	106	1316894	106.957	ug/l	92
69) o-Xylene	13.05	106	685220	60.604	ug/l	95
70) Styrene	13.07	104	1167479	58.225	ug/l	94
71) Bromoform	13.23	173	385418	60.880	ug/l	99
73) Isopropylbenzene	13.40	105	2053217	55.294	ug/l	99
74) N-amyl acetate	13.26	43	499322	50.866	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	354585	56.216	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	390924	55.011	ug/l	97
77) Bromobenzene	13.67	156	578508	54.690	ug/l	94
78) n-propylbenzene	13.77	91	2344503	53.056	ug/l	100
79) 2-Chlorotoluene	13.83	91	1323340	51.684	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	1657112	51.741	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	98192	49.761	ug/l	93
82) 4-Chlorotoluene	13.94	91	1634523	54.243	ug/l	92
83) tert-Butylbenzene	14.19	119	1773094	48.487	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1706041	51.500	ug/l	99
85) sec-Butylbenzene	14.37	105	2027347	52.620	ug/l	99
86) p-Isopropyltoluene	14.48	119	1833963	49.872	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	990376	52.868	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	998672	52.720	ug/l	95
89) n-Butylbenzene	14.80	91	1752115	55.166	ug/l	97
90) Hexachloroethane	15.01	117	492257	51.380	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	936946	57.405	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	72004	56.043	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	637828	49.261	ug/l	98
94) Hexachlorobutadiene	16.04	225	467222	49.794	ug/l	98
95) Naphthalene	16.12	128	993063	54.264	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	537965	52.593	ug/l	97

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

