

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081919\
 Data File : VD063672.D
 Acq On : 19 Aug 2019 22:17
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 20 08:18:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	958506	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1362590	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1083745	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	587048	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	479365	46.79	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	93.58%	
35) Dibromofluoromethane	6.91	113	543632	47.37	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	94.74%	
50) Toluene-d8	10.41	98	1235901	48.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	13.55	95	532999	46.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	540906	46.645	ug/l	93
3) Chloromethane	1.74	50	452030	49.892	ug/l	94
4) Vinyl Chloride	1.84	62	459759	51.117	ug/l	98
5) Bromomethane	2.15	94	251077	59.161	ug/l	92
6) Chloroethane	2.26	64	217834	52.962	ug/l	98
7) Trichlorofluoromethane	2.52	101	971049	55.041	ug/l	97
8) Diethyl Ether	2.87	74	134704	54.079	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.14	101	562950	54.040	ug/l	97
10) Methyl Iodide	3.29	142	861125	58.423	ug/l	98
11) Tert butyl alcohol	4.06	59	107845	241.797	ug/l	100
12) 1,1-Dichloroethene	3.12	96	405727	52.385	ug/l	95
13) Acrolein	3.02	56	96768	220.418	ug/l	99
14) Allyl chloride	3.60	41	636209	54.642	ug/l	98
15) Acrylonitrile	4.18	53	312951	264.901	ug/l	98
16) Acetone	3.21	43	448701	215.437	ug/l	94
17) Carbon Disulfide	3.36	76	1206186	49.345	ug/l	95
18) Methyl Acetate	3.63	43	198851	50.406	ug/l	100
19) Methyl tert-butyl Ether	4.22	73	855921	55.259	ug/l	99
20) Methylene Chloride	3.80	84	465185	51.652	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	450690	55.297	ug/l	93
22) Diisopropyl ether	5.11	45	1311331	54.580	ug/l	93
23) Vinyl Acetate	5.04	43	3918249	280.524	ug/l	99
24) 1,1-Dichloroethane	4.96	63	799577	53.657	ug/l	100
25) 2-Butanone	6.06	43	527225	256.308	ug/l	99
26) 2,2-Dichloropropane	6.02	77	848012	57.134	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	519996	58.314	ug/l	97
28) Bromochloromethane	6.43	49	299208	49.542	ug/l	96
29) Tetrahydrofuran	6.45	42	232050	242.095	ug/l	93
30) Chloroform	6.65	83	993567	53.641	ug/l	93
31) Cyclohexane	6.94	56	462857	50.033	ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	965742	54.505	ug/l	98
36) 1,1-Dichloropropene	7.14	75	656212	54.477	ug/l	99
37) Ethyl Acetate	6.17	43	263152	52.135	ug/l #	97
38) Carbon Tetrachloride	7.10	117	1041067	57.346	ug/l	96

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39) Methylcyclohexane	8.86	83	563328	54.997	ug/l	97
40) Benzene	7.44	78	1432267	54.031	ug/l	97
41) Methacrylonitrile	6.44	41	325377	51.198	ug/l #	91
42) 1,2-Dichloroethane	7.57	62	716355	53.744	ug/l	99
43) Isopropyl Acetate	9.23	43	359562	53.188	ug/l #	96
44) Trichloroethene	8.54	130	537801	53.080	ug/l	98
45) 1,2-Dichloropropane	8.93	63	347775	56.337	ug/l	96
46) Dibromomethane	9.06	93	303587	57.588	ug/l	90
47) Bromodichloromethane	9.37	83	778123	57.543	ug/l	99
48) Methyl methacrylate	9.11	41	247200	53.920	ug/l	97
49) 1,4-Dioxane	9.07	88	40967	1000.646	ug/l #	86
51) 4-Methyl-2-Pentanone	10.30	43	1192391	257.769	ug/l	100
52) Toluene	10.50	92	906265	53.079	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	639663	57.963	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	664094	53.368	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	306766	53.189	ug/l	99
56) Ethyl methacrylate	11.04	69	319687	51.069	ug/l	91
57) 1,3-Dichloropropane	11.40	76	469353	53.838	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.85	63	901803	272.874	ug/l	97
59) 2-Hexanone	11.53	43	853248	253.500	ug/l	97
60) Dibromochloromethane	11.68	129	578645	55.137	ug/l	98
61) 1,2-Dibromoethane	11.80	107	391619	56.090	ug/l	99
64) Tetrachloroethene	11.25	164	513026	61.321	ug/l	97
65) Chlorobenzene	12.39	112	1191432	58.657	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	521170	58.302	ug/l	98
67) Ethyl Benzene	12.52	91	1993306	56.439	ug/l	99
68) m/p-Xylenes	12.66	106	1457638	117.474	ug/l	99
69) o-Xylene	13.04	106	628779	52.651	ug/l	99
70) Styrene	13.06	104	1208513	56.890	ug/l	98
71) Bromoform	13.23	173	368005	60.038	ug/l	98
73) Isopropylbenzene	13.40	105	2119309	56.758	ug/l	98
74) N-amyl acetate	13.26	43	499537	53.293	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	366076	59.067	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	391613	58.126	ug/l	100
77) Bromobenzene	13.66	156	565010	55.366	ug/l	95
78) n-propylbenzene	13.77	91	2267442	51.900	ug/l	97
79) 2-Chlorotoluene	13.84	91	1393465	55.318	ug/l	90
80) 1,3,5-Trimethylbenzene	13.93	105	1797796	55.105	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	93720	51.755	ug/l	95
82) 4-Chlorotoluene	13.94	91	1756962	58.003	ug/l	98
83) tert-Butylbenzene	14.19	119	1988240	57.873	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1899167	62.914	ug/l	95
85) sec-Butylbenzene	14.36	105	2216233	60.744	ug/l	99
86) p-Isopropyltoluene	14.49	119	1933103	55.414	ug/l	94
87) 1,3-Dichlorobenzene	14.45	146	1040429	56.365	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	983965	55.560	ug/l	100
89) n-Butylbenzene	14.80	91	1843492	57.901	ug/l	96
90) Hexachloroethane	15.00	117	543365	61.970	ug/l	98
91) 1,2-Dichlorobenzene	14.81	146	924632	59.040	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	63749	54.627	ug/l	98

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93) 1,2,4-Trichlorobenzene	15.94	180	683431	59.306	ug/l	98
94) Hexachlorobutadiene	16.04	225	547392	62.326	ug/l	97
95) Naphthalene	16.12	128	896149	51.313	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	543384	58.380	ug/l	99

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

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