

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082019\
 Data File : VD063698.D
 Acq On : 20 Aug 2019 22:19
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 21 03:53:29 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	914437	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	1241797	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	1054632	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	543663	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	550651	56.33	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.66%	
35) Dibromofluoromethane	6.91	113	591641	56.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	113.14%	
50) Toluene-d8	10.40	98	1238636	53.87	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.74%	
62) 4-Bromofluorobenzene	13.55	95	557153	53.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	503575	45.518	ug/l	98
3) Chloromethane	1.74	50	412300	47.700	ug/l	97
4) Vinyl Chloride	1.83	62	424247	49.442	ug/l	97
5) Bromomethane	2.14	94	200157	49.436	ug/l	94
6) Chloroethane	2.26	64	179728	45.803	ug/l	99
7) Trichlorofluoromethane	2.51	101	789893	46.931	ug/l	99
8) Diethyl Ether	2.86	74	132252	55.653	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.13	101	459134	46.198	ug/l	90
10) Methyl Iodide	3.29	142	690631	49.114	ug/l	93
11) Tert butyl alcohol	4.07	59	122240	287.279	ug/l #	92
12) 1,1-Dichloroethene	3.11	96	358004	48.451	ug/l	95
13) Acrolein	3.03	56	89828	214.471	ug/l	86
14) Allyl chloride	3.61	41	569174	51.241	ug/l	99
15) Acrylonitrile	4.18	53	306617	272.047	ug/l	95
16) Acetone	3.21	43	463883	233.460	ug/l #	92
17) Carbon Disulfide	3.36	76	1036471	44.446	ug/l	100
18) Methyl Acetate	3.63	43	198057	52.624	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	860649	58.242	ug/l	98
20) Methylene Chloride	3.80	84	402988	46.903	ug/l	95
21) trans-1,2-Dichloroethene	4.21	96	398363	51.232	ug/l	91
22) Diisopropyl ether	5.11	45	1247344	54.418	ug/l	98
23) Vinyl Acetate	5.04	43	3840739	288.226	ug/l	100
24) 1,1-Dichloroethane	4.96	63	757892	53.311	ug/l	98
25) 2-Butanone	6.06	43	524575	267.310	ug/l	99
26) 2,2-Dichloropropane	6.01	77	670231	47.332	ug/l	94
27) cis-1,2-Dichloroethene	6.02	96	449701	52.861	ug/l	92
28) Bromochloromethane	6.42	49	305963	53.102	ug/l	94
29) Tetrahydrofuran	6.45	42	254773	278.611	ug/l	98
30) Chloroform	6.66	83	935258	52.926	ug/l	97
31) Cyclohexane	6.94	56	414594	46.976	ug/l	91
32) 1,1,1-Trichloroethane	6.86	97	896502	53.036	ug/l	97
36) 1,1-Dichloropropene	7.13	75	548912	50.002	ug/l	96
37) Ethyl Acetate	6.18	43	271531	59.028	ug/l	98
38) Carbon Tetrachloride	7.09	117	924136	55.857	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	493655	52.883	ug/l	98
40) Benzene	7.45	78	1291229	53.449	ug/l	95
41) Methacrylonitrile	6.44	41	339033	58.536	ug/l #	92
42) 1,2-Dichloroethane	7.56	62	688864	56.709	ug/l	99
43) Isopropyl Acetate	9.23	43	357428	58.016	ug/l #	96
44) Trichloroethene	8.53	130	501542	54.316	ug/l	95
45) 1,2-Dichloropropane	8.93	63	335414	59.620	ug/l	99
46) Dibromomethane	9.05	93	273312	56.888	ug/l	97
47) Bromodichloromethane	9.37	83	720331	58.451	ug/l	95
48) Methyl methacrylate	9.11	41	240852	57.645	ug/l	98
49) 1,4-Dioxane	9.07	88	40594	1085.825	ug/l #	71
51) 4-Methyl-2-Pentanone	10.29	43	1227578	291.190	ug/l	97
52) Toluene	10.50	92	828297	53.232	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	577960	57.466	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	635611	56.048	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	286686	54.543	ug/l	95
56) Ethyl methacrylate	11.03	69	341380	59.839	ug/l	91
57) 1,3-Dichloropropane	11.40	76	455591	57.342	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	958235	318.154	ug/l	100
59) 2-Hexanone	11.52	43	924713	301.457	ug/l	97
60) Dibromochloromethane	11.68	129	577417	60.372	ug/l	99
61) 1,2-Dibromoethane	11.80	107	361754	56.853	ug/l	98
64) Tetrachloroethene	11.26	164	407499	50.052	ug/l	96
65) Chlorobenzene	12.40	112	1032462	52.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	479994	55.178	ug/l	97
67) Ethyl Benzene	12.52	91	1809721	52.656	ug/l	100
68) m/p-Xylenes	12.66	106	1289415	106.785	ug/l	99
69) o-Xylene	13.05	106	638609	54.950	ug/l	97
70) Styrene	13.07	104	1094766	52.958	ug/l	99
71) Bromoform	13.22	173	349989	58.675	ug/l #	98
73) Isopropylbenzene	13.40	105	1829943	52.919	ug/l	99
74) N-amyl acetate	13.26	43	508489	58.577	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	347754	60.588	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	360636	57.799	ug/l	99
77) Bromobenzene	13.67	156	541430	57.289	ug/l	87
78) n-propylbenzene	13.77	91	2191059	54.154	ug/l	93
79) 2-Chlorotoluene	13.83	91	1253540	53.735	ug/l	95
80) 1,3,5-Trimethylbenzene	13.93	105	1594215	52.764	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	93812	55.940	ug/l	93
82) 4-Chlorotoluene	13.94	91	1543741	55.031	ug/l	97
83) tert-Butylbenzene	14.19	119	1747167	54.914	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1645764	58.870	ug/l	89
85) sec-Butylbenzene	14.37	105	1955553	57.877	ug/l	98
86) p-Isopropyltoluene	14.48	119	1519234	47.026	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	958951	56.096	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	891203	54.338	ug/l	99
89) n-Butylbenzene	14.79	91	1635889	55.481	ug/l	93
90) Hexachloroethane	15.01	117	489260	60.253	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	836405	57.669	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.37	75	63631	58.878	ug/l	62

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	608656	57.032	ug/l	98
94) Hexachlorobutadiene	16.03	225	449975	55.323	ug/l	98
95) Naphthalene	16.12	128	912392	56.412	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	520666	60.404	ug/l	98

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

