

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061319\
 Data File : VD062701.D
 Acq On : 13 Jun 2019 18:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 14 07:35:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	619692	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	835804	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	700526	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	388084	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	441607	49.39	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	6.94	113	465033	52.76	ug/l	0.02
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	10.43	98	933442	50.34	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	13.57	95	479160	55.39	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	302243	41.515	ug/l	99
3) Chloromethane	1.75	50	261554	42.657	ug/l #	87
4) Vinyl Chloride	1.85	62	270629	42.802	ug/l	97
5) Bromomethane	2.16	94	172731	54.121	ug/l #	93
6) Chloroethane	2.27	64	138371	44.326	ug/l #	85
7) Trichlorofluoromethane	2.54	101	675024	47.698	ug/l	97
8) Diethyl Ether	2.88	74	82122	42.665	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	371111	48.624	ug/l	97
10) Methyl Iodide	3.32	142	410257	38.069	ug/l	97
11) Tert butyl alcohol	4.10	59	82305	223.920	ug/l #	87
12) 1,1-Dichloroethene	3.13	96	265664	48.503	ug/l	97
13) Acrolein	3.04	56	17048	144.188	ug/l	89
14) Allyl chloride	3.63	41	404571	48.039	ug/l	94
15) Acrylonitrile	4.20	53	202742	242.729	ug/l	92
16) Acetone	3.23	43	393933	240.578	ug/l	96
17) Carbon Disulfide	3.39	76	723204	44.807	ug/l	99
18) Methyl Acetate	3.65	43	115052	42.754	ug/l	95
19) Methyl tert-butyl Ether	4.25	73	656314	49.131	ug/l	98
20) Methylene Chloride	3.83	84	269778	43.549	ug/l	95
21) trans-1,2-Dichloroethene	4.23	96	285030	47.441	ug/l	94
22) Diisopropyl ether	5.14	45	847897	48.488	ug/l	95
23) Vinyl Acetate	5.07	43	2670518	246.163	ug/l	98
24) 1,1-Dichloroethane	5.00	63	525969	46.754	ug/l	99
25) 2-Butanone	6.08	43	361537	226.319	ug/l	100
26) 2,2-Dichloropropane	6.03	77	612476	47.239	ug/l	100
27) cis-1,2-Dichloroethene	6.05	96	310927	47.738	ug/l	97
28) Bromochloromethane	6.45	49	221386	51.482	ug/l	98
29) Tetrahydrofuran	6.48	42	159729	222.035	ug/l	99
30) Chloroform	6.67	83	724456	50.193	ug/l	91
31) Cyclohexane	6.97	56	331382	46.959	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	746213	51.957	ug/l	96
36) 1,1-Dichloropropene	7.16	75	440412	46.040	ug/l	99
37) Ethyl Acetate	6.20	43	186549	45.840	ug/l #	92
38) Carbon Tetrachloride	7.13	117	722786m	47.805	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	387988	50.192	ug/l	93
40) Benzene	7.47	78	860680	46.073	ug/l	98
41) Methacrylonitrile	6.46	41	225533	45.040	ug/l #	95
42) 1,2-Dichloroethane	7.59	62	554772	49.824	ug/l	97
43) Isopropyl Acetate	9.25	43	248692	49.272	ug/l #	94
44) Trichloroethene	8.54	130	356036	46.946	ug/l	88
45) 1,2-Dichloropropane	8.95	63	217409	48.452	ug/l	96
46) Dibromomethane	9.08	93	214022	53.734	ug/l	91
47) Bromodichloromethane	9.38	83	595723	54.982	ug/l	96
48) Methyl methacrylate	9.14	41	171886	47.138	ug/l #	93
49) 1,4-Dioxane	9.10	88	32604	999.905	ug/l #	74
51) 4-Methyl-2-Pentanone	10.32	43	849751	240.607	ug/l	100
52) Toluene	10.52	92	623055	49.618	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	479460	53.973	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	469581	51.145	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	216555	50.287	ug/l	98
56) Ethyl methacrylate	11.06	69	240488	46.637	ug/l	97
57) 1,3-Dichloropropane	11.42	76	358144	53.659	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	552871	240.208	ug/l	97
59) 2-Hexanone	11.54	43	680860	259.169	ug/l	96
60) Dibromochloromethane	11.70	129	440299	51.795	ug/l	96
61) 1,2-Dibromoethane	11.81	107	269813	52.350	ug/l	92
64) Tetrachloroethene	11.27	164	365826	55.786	ug/l	98
65) Chlorobenzene	12.40	112	750920	48.461	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	386290	52.270	ug/l	92
67) Ethyl Benzene	12.53	91	1449224	52.750	ug/l	97
68) m/p-Xylenes	12.68	106	984537	101.935	ug/l	97
69) o-Xylene	13.05	106	450998	50.843	ug/l	97
70) Styrene	13.08	104	818896	51.740	ug/l	94
71) Bromoform	13.24	173	261609	46.363	ug/l	99
73) Isopropylbenzene	13.41	105	1404432	51.343	ug/l	100
74) N-amyl acetate	13.27	43	381634	51.624	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	241253	51.544	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	263100	50.000	ug/l	99
77) Bromobenzene	13.67	156	396556	50.722	ug/l	91
78) n-propylbenzene	13.78	91	1674255	50.003	ug/l	97
79) 2-Chlorotoluene	13.85	91	1014899	51.768	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1243784	51.449	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.48	75	68523	44.385	ug/l	93
82) 4-Chlorotoluene	13.95	91	1214675	51.809	ug/l	93
83) tert-Butylbenzene	14.20	119	1372611	51.478	ug/l	91
84) 1,2,4-Trimethylbenzene	14.24	105	1257600	52.540	ug/l	100
85) sec-Butylbenzene	14.37	105	1434744	51.314	ug/l	98
86) p-Isopropyltoluene	14.50	119	1444843	53.075	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	754768	53.290	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	659290	49.254	ug/l	97
89) n-Butylbenzene	14.81	91	1237558	50.532	ug/l	98
90) Hexachloroethane	15.01	117	383722	53.393	ug/l	88
91) 1,2-Dichlorobenzene	14.82	146	604240	51.322	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.39	75	52289	52.301	ug/l #	63

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	477426	47.959	ug/l	98
94) Hexachlorobutadiene	16.05	225	379396	54.580	ug/l	96
95) Naphthalene	16.13	128	679836	48.397	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	384955	56.766	ug/l	98

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

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