

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064516.D
 Acq On : 13 Dec 2019 19:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:16:03 PM

Quant Time: Dec 14 00:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	383693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	577181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	533360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184966	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.92	113	187236	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.34	98	693251	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.64	95	227434	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155188	44.638	ug/l	99
3) Chloromethane	2.21	50	205381	46.837	ug/l	100
4) Vinyl Chloride	2.35	62	251421	49.659	ug/l	99
5) Bromomethane	2.77	94	182521	48.749	ug/l	100
6) Chloroethane	2.93	64	176770	52.236	ug/l	96
7) Trichlorofluoromethane	3.27	101	434240	51.592	ug/l	100
8) Diethyl Ether	3.71	74	96896	55.401	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	181473	50.286	ug/l	98
10) Methyl Iodide	4.30	142	213766	56.091	ug/l	100
11) Tert butyl alcohol	5.26	59	57703	261.013	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	176878	51.144	ug/l	95
13) Acrolein	3.92	56	76145	252.521	ug/l	98
14) Allyl chloride	4.71	41	280539	51.978	ug/l	98
15) Acrylonitrile	5.43	53	212977	278.466	ug/l	99
16) Acetone	4.17	43	194668	277.376	ug/l	98
17) Carbon Disulfide	4.40	76	522736	47.724	ug/l	98
18) Methyl Acetate	4.73	43	111204	54.321	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	437826	55.190	ug/l	98
20) Methylene Chloride	4.97	84	202821	57.548	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	202069	51.654	ug/l	96
22) Diisopropyl ether	6.37	45	580805	54.510	ug/l	97
23) Vinyl Acetate	6.31	43	1755692	279.504	ug/l	100
24) 1,1-Dichloroethane	6.27	63	343230	53.565	ug/l	99
25) 2-Butanone	7.22	43	271164	273.208	ug/l	100
26) 2,2-Dichloropropane	7.21	77	286356	51.387	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	231587	54.300	ug/l	98
28) Bromochloromethane	7.55	49	129787	59.268	ug/l	99
29) Tetrahydrofuran	7.57	42	177712	281.428	ug/l	98
30) Chloroform	7.71	83	366521	55.230	ug/l	98
31) Cyclohexane	7.99	56	293569	52.726	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	326449	53.060	ug/l	100
36) 1,1-Dichloropropene	8.11	75	271515	49.734	ug/l	98
37) Ethyl Acetate	7.30	43	128919	55.653	ug/l	99
38) Carbon Tetrachloride	8.10	117	297043	51.553	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	328226	48.468	ug/l	98
40) Benzene	8.35	78	771849	50.904	ug/l	100
41) Methacrylonitrile	7.53	41	70680	53.204	ug/l	89
42) 1,2-Dichloroethane	8.43	62	236345	53.449	ug/l	99
43) Isopropyl Acetate	8.46	43	250578	55.015	ug/l	99
44) Trichloroethene	9.11	130	224963	49.253	ug/l	97
45) 1,2-Dichloropropane	9.39	63	193689	53.412	ug/l	99
46) Dibromomethane	9.48	93	112544	54.988	ug/l	98
47) Bromodichloromethane	9.66	83	288518	54.863	ug/l	97
48) Methyl methacrylate	9.46	41	111177	53.343	ug/l	98
49) 1,4-Dioxane	9.47	88	28629	1132.762	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	631266	280.111	ug/l	99
52) Toluene	10.40	92	514772	52.093	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	275193	54.908	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	319122	53.598	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	151772	54.156	ug/l	98
56) Ethyl methacrylate	10.66	69	196888	55.082	ug/l	100
57) 1,3-Dichloropropane	10.95	76	259526	54.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	392028	275.126	ug/l	99
59) 2-Hexanone	10.99	43	433744	277.371	ug/l	100
60) Dibromochloromethane	11.14	129	207298	54.555	ug/l	98
61) 1,2-Dibromoethane	11.25	107	151868	54.274	ug/l	97
64) Tetrachloroethene	10.87	164	205908	50.625	ug/l	97
65) Chlorobenzene	11.67	112	556622	50.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	214347	52.051	ug/l	99
67) Ethyl Benzene	11.75	91	967289	48.872	ug/l	98
68) m/p-Xylenes	11.86	106	752715	99.742	ug/l	100
69) o-Xylene	12.18	106	345835	49.619	ug/l	99
70) Styrene	12.20	104	619842	51.177	ug/l	100
71) Bromoform	12.36	173	128582	52.190	ug/l #	99
73) Isopropylbenzene	12.48	105	929275	48.118	ug/l	100
74) N-amyl acetate	12.29	43	229454	52.349	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	161491	50.566	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	126007m	57.062	ug/l	
77) Bromobenzene	12.77	156	239326	50.182	ug/l	99
78) n-propylbenzene	12.83	91	1080616	48.496	ug/l	99
79) 2-Chlorotoluene	12.91	91	604081	49.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	770446	48.818	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	53372	52.702	ug/l	97
82) 4-Chlorotoluene	13.01	91	639227	49.240	ug/l	99
83) tert-Butylbenzene	13.23	119	669336	48.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	755847	47.630	ug/l	98
85) sec-Butylbenzene	13.41	105	907945	48.215	ug/l	100
86) p-Isopropyltoluene	13.53	119	850234	47.824	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	441896	48.819	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	440922	49.339	ug/l	99
89) n-Butylbenzene	13.86	91	777372	48.150	ug/l	99
90) Hexachloroethane	14.12	117	167881	50.487	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	389461	50.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26550	56.179	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	290026	48.955	ug/l	99
94) Hexachlorobutadiene	15.28	225	174830	47.802	ug/l	100
95) Naphthalene	15.41	128	503446	50.919	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	255051	50.434	ug/l	99

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

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