

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010620\
 Data File : VD064786.D
 Acq On : 06 Jan 2020 21:29
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/7/2020 10:25:32 AM

Quant Time: Jan 07 03:19:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	351323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	529840	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	481021	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244358	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	179562	57.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.92%	
35) Dibromofluoromethane	7.92	113	173206	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	
50) Toluene-d8	10.34	98	662691	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.64	95	209730	53.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	122796	44.975	ug/l	98
3) Chloromethane	2.21	50	186116	48.741	ug/l	99
4) Vinyl Chloride	2.35	62	223925	48.096	ug/l	98
5) Bromomethane	2.77	94	156022	46.089	ug/l	98
6) Chloroethane	2.92	64	154642	49.571	ug/l	99
7) Trichlorofluoromethane	3.27	101	378108	48.233	ug/l	96
8) Diethyl Ether	3.70	74	80818	51.916	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	158017	48.672	ug/l	98
10) Methyl Iodide	4.29	142	171242	49.104	ug/l	100
11) Tert butyl alcohol	5.26	59	52239	294.232	ug/l	96
12) 1,1-Dichloroethene	4.06	96	147318	47.662	ug/l	96
13) Acrolein	3.93	56	80634	325.881	ug/l	100
14) Allyl chloride	4.71	41	250367	51.953	ug/l	100
15) Acrylonitrile	5.43	53	182958	282.160	ug/l	99
16) Acetone	4.17	43	166519	255.942	ug/l	96
17) Carbon Disulfide	4.40	76	450469	45.073	ug/l	100
18) Methyl Acetate	4.72	43	96752	55.474	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	380242	55.386	ug/l	95
20) Methylene Chloride	4.96	84	180395	57.688	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	175334	49.810	ug/l	99
22) Diisopropyl ether	6.37	45	526767	54.803	ug/l	97
23) Vinyl Acetate	6.31	43	1530867	280.761	ug/l	98
24) 1,1-Dichloroethane	6.27	63	306574	53.128	ug/l	98
25) 2-Butanone	7.23	43	236925	278.229	ug/l	97
26) 2,2-Dichloropropane	7.21	77	266563	49.685	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	200990	52.907	ug/l	99
28) Bromochloromethane	7.55	49	134941	60.157	ug/l	99
29) Tetrahydrofuran	7.57	42	150440	284.087	ug/l	98
30) Chloroform	7.71	83	327730	54.133	ug/l	98
31) Cyclohexane	7.98	56	263258	45.576	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	296695	52.176	ug/l	99
36) 1,1-Dichloropropene	8.11	75	244929	48.028	ug/l	100
37) Ethyl Acetate	7.30	43	108197	54.006	ug/l	98
38) Carbon Tetrachloride	8.10	117	270484	49.742	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	284286	46.026	ug/l	92
40) Benzene	8.36	78	708328	50.880	ug/l	99
41) Methacrylonitrile	7.53	41	60535	52.078	ug/l	93
42) 1,2-Dichloroethane	8.43	62	211526	52.579	ug/l	100
43) Isopropyl Acetate	8.46	43	212488	53.287	ug/l	100
44) Trichloroethene	9.11	130	199011	48.661	ug/l	99
45) 1,2-Dichloropropane	9.39	63	173675	52.249	ug/l	97
46) Dibromomethane	9.48	93	95435	51.497	ug/l	96
47) Bromodichloromethane	9.67	83	259287	52.579	ug/l	98
48) Methyl methacrylate	9.46	41	102711	54.703	ug/l	95
49) 1,4-Dioxane	9.47	88	22399	1048.203	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	545393	276.708	ug/l	100
52) Toluene	10.41	92	461749	50.555	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	245751	53.452	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	283255	52.249	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	134316	53.779	ug/l	96
56) Ethyl methacrylate	10.66	69	170172	54.558	ug/l	97
57) 1,3-Dichloropropane	10.95	76	228159	53.057	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	315436	265.440	ug/l	99
59) 2-Hexanone	10.99	43	375209	280.475	ug/l	99
60) Dibromochloromethane	11.14	129	180591	52.288	ug/l	100
61) 1,2-Dibromoethane	11.25	107	131387	53.336	ug/l	98
64) Tetrachloroethene	10.88	164	173268	46.952	ug/l	95
65) Chlorobenzene	11.67	112	492459	49.327	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	192733	51.209	ug/l	98
67) Ethyl Benzene	11.75	91	885582	48.871	ug/l	97
68) m/p-Xylenes	11.86	106	689074	98.521	ug/l	99
69) o-Xylene	12.18	106	311789	49.353	ug/l	98
70) Styrene	12.20	104	568789	51.293	ug/l	99
71) Bromoform	12.37	173	111510	51.954	ug/l #	98
73) Isopropylbenzene	12.48	105	836456	47.901	ug/l	100
74) N-amyl acetate	12.30	43	191506	51.303	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	142333	51.886	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	95862m	49.680	ug/l	
77) Bromobenzene	12.77	156	211846	49.373	ug/l	99
78) n-propylbenzene	12.83	91	988313	48.513	ug/l	99
79) 2-Chlorotoluene	12.91	91	550298	49.173	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	696459	48.552	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	48187	52.229	ug/l	97
82) 4-Chlorotoluene	13.01	91	583845	49.023	ug/l	100
83) tert-Butylbenzene	13.23	119	591069	47.458	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	703279	49.228	ug/l	98
85) sec-Butylbenzene	13.41	105	824402	48.282	ug/l	99
86) p-Isopropyltoluene	13.53	119	776860	47.583	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	398686	48.741	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	391230	48.688	ug/l	99
89) n-Butylbenzene	13.85	91	702601	47.787	ug/l	99
90) Hexachloroethane	14.12	117	150365	48.214	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	340306	48.791	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22776	51.217	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	246823	48.061	ug/l	98
94) Hexachlorobutadiene	15.28	225	144990	44.865	ug/l	98
95) Naphthalene	15.41	128	410608	50.539	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	210048	47.909	ug/l	99

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

