

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064480.D
 Acq On : 09 Dec 2019 19:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/10/2019 4:06:55 PM

Quant Time: Dec 10 03:05:30 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	7.98	168	408691	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	617592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	568138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285627	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	202046	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
35) Dibromofluoromethane	7.92	113	201830	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	10.34	98	741794	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.64	95	241799	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	182211	49.205	ug/l	100
3) Chloromethane	2.21	50	238526	51.069	ug/l	99
4) Vinyl Chloride	2.35	62	283090	52.494	ug/l	99
5) Bromomethane	2.77	94	202656	50.816	ug/l	98
6) Chloroethane	2.92	64	194525	53.967	ug/l	98
7) Trichlorofluoromethane	3.27	101	483860	53.972	ug/l	96
8) Diethyl Ether	3.71	74	104787	56.248	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	199810	51.980	ug/l	97
10) Methyl Iodide	4.30	142	236552	58.273	ug/l	100
11) Tert butyl alcohol	5.26	59	62530	265.547	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	194667	52.845	ug/l	98
13) Acrolein	3.93	56	81459	253.620	ug/l	97
14) Allyl chloride	4.71	41	313965	54.613	ug/l	99
15) Acrylonitrile	5.43	53	226563	278.110	ug/l	98
16) Acetone	4.17	43	195263	261.206	ug/l	94
17) Carbon Disulfide	4.40	76	613647	52.597	ug/l	98
18) Methyl Acetate	4.73	43	121341	55.648	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	471526	55.802	ug/l	99
20) Methylene Chloride	4.96	84	231339	61.971	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	229691	55.123	ug/l	98
22) Diisopropyl ether	6.37	45	642645	56.625	ug/l	97
23) Vinyl Acetate	6.31	43	1882663	281.385	ug/l	98
24) 1,1-Dichloroethane	6.27	63	380314	55.722	ug/l	99
25) 2-Butanone	7.23	43	283273	267.951	ug/l	99
26) 2,2-Dichloropropane	7.21	77	322450	54.325	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	254396	55.999	ug/l	99
28) Bromochloromethane	7.55	49	136239	58.409	ug/l	99
29) Tetrahydrofuran	7.57	42	189125	281.183	ug/l	97
30) Chloroform	7.71	83	398656	56.398	ug/l	98
31) Cyclohexane	7.98	56	333165	56.508	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	358577	54.717	ug/l	99
36) 1,1-Dichloropropene	8.11	75	302917	51.855	ug/l	99
37) Ethyl Acetate	7.30	43	131481	53.045	ug/l	99
38) Carbon Tetrachloride	8.10	117	326039	52.883	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	364485	50.300	ug/l	99
40) Benzene	8.35	78	873497	53.838	ug/l	98
41) Methacrylonitrile	7.53	41	72460	50.975	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	253978	53.678	ug/l	100
43) Isopropyl Acetate	8.46	43	257939	52.926	ug/l	99
44) Trichloroethene	9.11	130	253945	51.961	ug/l	99
45) 1,2-Dichloropropane	9.39	63	215058	55.424	ug/l	98
46) Dibromomethane	9.48	93	119712	54.663	ug/l	98
47) Bromodichloromethane	9.67	83	310377	55.157	ug/l	100
48) Methyl methacrylate	9.46	41	120591	54.074	ug/l	98
49) 1,4-Dioxane	9.46	88	29264	1082.123	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	645067	267.506	ug/l	100
52) Toluene	10.40	92	561857	53.138	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	295612	55.122	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	351418	55.160	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	162335	54.135	ug/l	98
56) Ethyl methacrylate	10.66	69	209228	54.705	ug/l	100
57) 1,3-Dichloropropane	10.95	76	280045	54.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	381062	249.931	ug/l	99
59) 2-Hexanone	10.98	43	438146	261.853	ug/l	98
60) Dibromochloromethane	11.14	129	221469	54.471	ug/l	98
61) 1,2-Dibromoethane	11.25	107	156571	52.293	ug/l	99
64) Tetrachloroethene	10.88	164	228149	52.660	ug/l	97
65) Chlorobenzene	11.67	112	608254	51.332	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	232184	52.931	ug/l	99
67) Ethyl Benzene	11.75	91	1070669	50.784	ug/l	99
68) m/p-Xylenes	11.86	106	831988	103.497	ug/l	100
69) o-Xylene	12.18	106	387562	52.202	ug/l	100
70) Styrene	12.20	104	678163	52.565	ug/l	100
71) Bromoform	12.36	173	136193	51.895	ug/l #	97
73) Isopropylbenzene	12.48	105	1032362	50.255	ug/l	99
74) N-amyl acetate	12.29	43	235344	50.477	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	170288	50.127	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	126851m	54.004	ug/l	
77) Bromobenzene	12.77	156	260439	51.339	ug/l	99
78) n-propylbenzene	12.83	91	1189878	50.201	ug/l	100
79) 2-Chlorotoluene	12.91	91	667963	51.216	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	850713	50.676	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	54098	50.220	ug/l	99
82) 4-Chlorotoluene	13.01	91	695964	50.400	ug/l	100
83) tert-Butylbenzene	13.23	119	739718	50.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	850878	50.407	ug/l	100
85) sec-Butylbenzene	13.41	105	996448	49.746	ug/l	99
86) p-Isopropyltoluene	13.53	119	954145	50.455	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	489787	50.869	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	486469	51.175	ug/l	100
89) n-Butylbenzene	13.85	91	867945	50.540	ug/l	99
90) Hexachloroethane	14.12	117	180980	51.167	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	419319	50.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26497	52.412	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	317449	50.374	ug/l	100
94) Hexachlorobutadiene	15.28	225	193385	49.709	ug/l	99
95) Naphthalene	15.41	128	524841	49.904	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	273824	50.904	ug/l	100

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

