

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064839.D
 Acq On : 10 Jan 2020 18:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:26 PM

Quant Time: Jan 10 23:12:48 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	389212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	564590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	503315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249468	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	187100	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	
35) Dibromofluoromethane	7.92	113	187453	54.12	ug/l	0.00
Spiked Amount			Recovery	=	108.24%	
50) Toluene-d8	10.34	98	704833	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.64	95	228310	54.43	ug/l	0.00
Spiked Amount			Recovery	=	108.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	139735	46.197	ug/l	95
3) Chloromethane	2.21	50	219248	51.828	ug/l	99
4) Vinyl Chloride	2.35	62	256024	49.638	ug/l	99
5) Bromomethane	2.77	94	174519	46.535	ug/l	96
6) Chloroethane	2.92	64	177718	51.422	ug/l	98
7) Trichlorofluoromethane	3.27	101	428463	49.335	ug/l	100
8) Diethyl Ether	3.70	74	91470	53.039	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	190292	52.907	ug/l	98
10) Methyl Iodide	4.30	142	201133	52.061	ug/l	99
11) Tert butyl alcohol	5.25	59	58477	297.304	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	173900	50.785	ug/l	97
13) Acrolein	3.93	56	66033	240.892	ug/l	97
14) Allyl chloride	4.71	41	292788	54.841	ug/l	98
15) Acrylonitrile	5.43	53	204962	285.323	ug/l	100
16) Acetone	4.17	43	231638	332.740	ug/l	94
17) Carbon Disulfide	4.40	76	501578	45.301	ug/l	99
18) Methyl Acetate	4.72	43	106993	55.374	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	428760	56.373	ug/l	94
20) Methylene Chloride	4.97	84	201977	58.360	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	201614	51.700	ug/l	97
22) Diisopropyl ether	6.37	45	605778	56.888	ug/l	99
23) Vinyl Acetate	6.31	43	1700383	281.492	ug/l	99
24) 1,1-Dichloroethane	6.27	63	360597	56.407	ug/l	98
25) 2-Butanone	7.23	43	283530	300.546	ug/l	100
26) 2,2-Dichloropropane	7.21	77	322778	54.306	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	230867	54.855	ug/l	98
28) Bromochloromethane	7.56	49	142422	57.311	ug/l	99
29) Tetrahydrofuran	7.57	42	165607	282.285	ug/l	98
30) Chloroform	7.71	83	371006	55.315	ug/l	97
31) Cyclohexane	7.98	56	313347	48.967	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	343209	54.480	ug/l	99
36) 1,1-Dichloropropene	8.11	75	283547	52.179	ug/l	98
37) Ethyl Acetate	7.30	43	119923	56.175	ug/l	97
38) Carbon Tetrachloride	8.10	117	309879	53.479	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	331734	50.402	ug/l	95
40) Benzene	8.36	78	800378	53.953	ug/l	98
41) Methacrylonitrile	7.53	41	67139	54.204	ug/l	93
42) 1,2-Dichloroethane	8.43	62	240846	56.182	ug/l	98
43) Isopropyl Acetate	8.46	43	234901	55.282	ug/l	99
44) Trichloroethene	9.11	130	229164	52.585	ug/l	94
45) 1,2-Dichloropropane	9.39	63	198102	55.930	ug/l	99
46) Dibromomethane	9.48	93	108759	55.074	ug/l	99
47) Bromodichloromethane	9.67	83	291897	55.549	ug/l	99
48) Methyl methacrylate	9.46	41	110131	55.045	ug/l	93
49) 1,4-Dioxane	9.47	88	25082	1101.516	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	600627	285.975	ug/l	100
52) Toluene	10.41	92	525886	54.033	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	274788	56.089	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	322754	55.871	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	145633	54.722	ug/l	97
56) Ethyl methacrylate	10.67	69	188197	56.623	ug/l	98
57) 1,3-Dichloropropane	10.95	76	254221	55.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	328488	259.409	ug/l	99
59) 2-Hexanone	10.99	43	439698	308.452	ug/l	100
60) Dibromochloromethane	11.14	129	201544	54.763	ug/l	100
61) 1,2-Dibromoethane	11.25	107	141702	53.983	ug/l	98
64) Tetrachloroethene	10.88	164	218509	56.589	ug/l	98
65) Chlorobenzene	11.67	112	561279	53.730	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	219773	55.807	ug/l	97
67) Ethyl Benzene	11.75	91	1013854	53.472	ug/l	97
68) m/p-Xylenes	11.86	106	788894	107.796	ug/l	96
69) o-Xylene	12.18	106	358129	54.177	ug/l	99
70) Styrene	12.20	104	638266	55.009	ug/l	98
71) Bromoform	12.37	173	122086	54.362	ug/l #	98
73) Isopropylbenzene	12.48	105	970538	54.440	ug/l	100
74) N-amyl acetate	12.30	43	218937	57.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	155750	55.614	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	101170m	51.357	ug/l	
77) Bromobenzene	12.77	156	237274	54.166	ug/l	98
78) n-propylbenzene	12.83	91	1137687	54.702	ug/l	99
79) 2-Chlorotoluene	12.91	91	633145	55.417	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	796625	54.398	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	52252	55.475	ug/l	98
82) 4-Chlorotoluene	13.01	91	657473	54.075	ug/l	100
83) tert-Butylbenzene	13.23	119	688374	54.138	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	803986	55.124	ug/l	99
85) sec-Butylbenzene	13.41	105	962048	55.190	ug/l	99
86) p-Isopropyltoluene	13.53	119	922034	55.318	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	453062	54.254	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	446345	54.409	ug/l	100
89) n-Butylbenzene	13.85	91	828319	55.184	ug/l	99
90) Hexachloroethane	14.12	117	174246	54.727	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	382552	53.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25636	56.467	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273904	52.241	ug/l	99
94) Hexachlorobutadiene	15.28	225	163447	49.540	ug/l	96
95) Naphthalene	15.41	128	452165	54.514	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	238710	53.331	ug/l	99

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

