

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064933.D
 Acq On : 23 Jan 2020 13:17
 Operator : VA/SY
 Sample : VSTDIC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:02:03 PM

Quant Time: Jan 23 13:35:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:18:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	509654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	727472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	338245	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	674090	135.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.64%	
35) Dibromofluoromethane	7.92	113	641916	139.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.30%	
50) Toluene-d8	10.34	98	2634943	149.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	299.64%	
62) 4-Bromofluorobenzene	12.64	95	809297	147.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	511920	127.727	ug/l	97
3) Chloromethane	2.21	50	703246	118.170	ug/l	98
4) Vinyl Chloride	2.35	62	832580	123.099	ug/l	99
5) Bromomethane	2.74	94	566883	125.168	ug/l	98
6) Chloroethane	2.91	64	537901	120.897	ug/l	98
7) Trichlorofluoromethane	3.27	101	1266707	121.034	ug/l	100
8) Diethyl Ether	3.71	74	290258	124.838	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	596827	124.786	ug/l	99
10) Methyl Iodide	4.30	142	731247	148.288	ug/l	100
11) Tert butyl alcohol	5.26	59	183943	677.413	ug/l	100
12) 1,1-Dichloroethene	4.06	96	576282	122.818	ug/l	96
13) Acrolein	3.93	56	236884	699.460	ug/l	95
14) Allyl chloride	4.71	41	976001	133.149	ug/l	98
15) Acrylonitrile	5.43	53	673755	667.654	ug/l	99
16) Acetone	4.17	43	538930	482.911	ug/l	96
17) Carbon Disulfide	4.40	76	1895880	124.977	ug/l	100
18) Methyl Acetate	4.72	43	296759	125.797	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	1385876	136.980	ug/l	98
20) Methylene Chloride	4.96	84	624439	104.466	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	685618	130.200	ug/l	99
22) Diisopropyl ether	6.37	45	1974669	137.366	ug/l	99
23) Vinyl Acetate	6.31	43	6122917	740.770	ug/l	100
24) 1,1-Dichloroethane	6.27	63	1139462	126.457	ug/l	98
25) 2-Butanone	7.22	43	878204	649.892	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1036165	127.141	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	738792	131.593	ug/l	99
28) Bromochloromethane	7.55	49	495965	141.713	ug/l	99
29) Tetrahydrofuran	7.57	42	560224	672.375	ug/l	100
30) Chloroform	7.71	83	1171444	126.822	ug/l	100
31) Cyclohexane	7.98	56	1095012	123.603	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	1092459	127.158	ug/l	99
36) 1,1-Dichloropropene	8.11	75	957338	132.150	ug/l	99
37) Ethyl Acetate	7.30	43	404908	138.190	ug/l	99
38) Carbon Tetrachloride	8.10	117	1025765	135.720	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1199449	143.040	ug/l	98
40) Benzene	8.36	78	2747909	139.171	ug/l	99
41) Methacrylonitrile	7.54	41	261071m	173.419	ug/l	
42) 1,2-Dichloroethane	8.43	62	771580	129.554	ug/l	98
43) Isopropyl Acetate	8.46	43	784642	140.136	ug/l	99
44) Trichloroethene	9.11	130	740621	131.031	ug/l	96
45) 1,2-Dichloropropane	9.39	63	640758	133.460	ug/l	100
46) Dibromomethane	9.48	93	346374	132.446	ug/l	99
47) Bromodichloromethane	9.67	83	918774	132.849	ug/l	98
48) Methyl methacrylate	9.46	41	369319	145.450	ug/l	98
49) 1,4-Dioxane	9.47	88	82480	2687.354	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	2036067	733.471	ug/l	100
52) Toluene	10.41	92	1803095	142.600	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	919734	143.851	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	1070309	141.269	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	465222	132.114	ug/l	97
56) Ethyl methacrylate	10.67	69	635325	154.194	ug/l	99
57) 1,3-Dichloropropane	10.95	76	823563	136.093	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	931616	667.177	ug/l	99
59) 2-Hexanone	10.99	43	1383152	719.302	ug/l	100
60) Dibromochloromethane	11.14	129	645920	137.682	ug/l	99
61) 1,2-Dibromoethane	11.25	107	468195	138.735	ug/l	98
64) Tetrachloroethene	10.88	164	635186	126.720	ug/l	98
65) Chlorobenzene	11.67	112	1850124	133.899	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	711928	137.620	ug/l	99
67) Ethyl Benzene	11.75	91	3496039	144.480	ug/l	98
68) m/p-Xylenes	11.86	106	2672088	282.842	ug/l	100
69) o-Xylene	12.18	106	1204749	145.491	ug/l	99
70) Styrene	12.20	104	2188127	149.207	ug/l	100
71) Bromoform	12.37	173	387991	135.777	ug/l #	99
73) Isopropylbenzene	12.48	105	3294981	139.039	ug/l	100
74) N-amyl acetate	12.30	43	752039	144.821	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	507122	126.494	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	340498m	107.431	ug/l	
77) Bromobenzene	12.77	156	775854	133.403	ug/l	99
78) n-propylbenzene	12.83	91	3851037	137.470	ug/l	100
79) 2-Chlorotoluene	12.91	91	2088047	134.310	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	2688222	138.806	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	185710	138.557	ug/l	97
82) 4-Chlorotoluene	13.01	91	2219592	135.017	ug/l	100
83) tert-Butylbenzene	13.23	119	2314439	140.461	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	2754192	139.921	ug/l	100
85) sec-Butylbenzene	13.41	105	3210368	138.938	ug/l	100
86) p-Isopropyltoluene	13.53	119	3109060	142.908	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1520431	135.194	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1460053	131.980	ug/l	99
89) n-Butylbenzene	13.85	91	2799225	141.630	ug/l	99
90) Hexachloroethane	14.12	117	543913	128.672	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	1260613	133.777	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	81349	125.141	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	901163	137.895	ug/l	100
94) Hexachlorobutadiene	15.28	225	541398	130.828	ug/l	99
95) Naphthalene	15.41	128	1549756	151.282	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	765080	135.467	ug/l	98

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

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