

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064159.D
 Acq On : 08 Nov 2019 15:58
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:14:52 AM

Quant Time: Nov 08 16:16:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	955209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1354399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1177640	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	587169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	1114931	144.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.12%	
35) Dibromofluoromethane	7.92	113	1096301	132.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.22%	
50) Toluene-d8	10.34	98	4258513	128.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	257.98%	
62) 4-Bromofluorobenzene	12.64	95	1433627	131.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	1110086	116.779	ug/l	99
3) Chloromethane	2.21	50	1144332	75.997	ug/l	98
4) Vinyl Chloride	2.36	62	1285114	79.017	ug/l	99
5) Bromomethane	2.75	94	825830	78.507	ug/l	97
6) Chloroethane	2.92	64	808673	79.722	ug/l	100
7) Trichlorofluoromethane	3.27	101	2057011	90.403	ug/l	100
8) Diethyl Ether	3.71	74	565878	133.271	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	1172488	134.327	ug/l	99
10) Methyl Iodide	4.30	142	1465514	138.260	ug/l	99
11) Tert butyl alcohol	5.25	59	384924	893.853	ug/l	96
12) 1,1-Dichloroethene	4.06	96	1124444	135.165	ug/l	97
13) Acrolein	3.93	56	367608	743.245	ug/l	100
14) Allyl chloride	4.71	41	1999297	189.433	ug/l	99
15) Acrylonitrile	5.43	53	1222604	768.904	ug/l	99
16) Acetone	4.17	43	1351761	897.157	ug/l	98
17) Carbon Disulfide	4.40	76	3554285	138.920	ug/l	99
18) Methyl Acetate	4.73	43	713171	174.840	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	2728670	157.304	ug/l	98
20) Methylene Chloride	4.97	84	1173797	114.193	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	1288722	138.262	ug/l	98
22) Diisopropyl ether	6.37	45	3704737	165.312	ug/l	98
23) Vinyl Acetate	6.31	43	10710433	868.763	ug/l	98
24) 1,1-Dichloroethane	6.27	63	2161583	146.588	ug/l	99
25) 2-Butanone	7.23	43	1716515	829.914	ug/l	98
26) 2,2-Dichloropropane	7.21	77	2073180	147.467	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	1394550	134.719	ug/l	97
28) Bromochloromethane	7.55	49	835670	157.586	ug/l	100
29) Tetrahydrofuran	7.57	42	1023490	841.147	ug/l	99
30) Chloroform	7.71	83	2195168	132.291	ug/l	100
31) Cyclohexane	7.98	56	2067909	143.253	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	2093448	135.277	ug/l	100
36) 1,1-Dichloropropene	8.11	75	1773141	138.874	ug/l	100
37) Ethyl Acetate	7.30	43	737608	178.906	ug/l	98
38) Carbon Tetrachloride	8.10	117	1943424	140.688	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	2270282	146.338	ug/l	98
40) Benzene	8.36	78	4888873	141.106	ug/l	97
41) Methacrylonitrile	7.53	41	494057	200.082	ug/l	96
42) 1,2-Dichloroethane	8.43	62	1448031	155.632	ug/l	100
43) Isopropyl Acetate	8.46	43	1539173	182.753	ug/l	100
44) Trichloroethene	9.11	130	1451228	138.846	ug/l	100
45) 1,2-Dichloropropane	9.39	63	1178702	145.270	ug/l	96
46) Dibromomethane	9.48	93	634585	133.222	ug/l	98
47) Bromodichloromethane	9.67	83	1708615	140.920	ug/l	98
48) Methyl methacrylate	9.46	41	729383	186.617	ug/l	99
49) 1,4-Dioxane	9.47	88	148169	2754.882	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	3642321	823.115	ug/l	100
52) Toluene	10.40	92	3257910	136.169	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	1739953	152.560	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	2004940	148.953	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	863196	128.963	ug/l	98
56) Ethyl methacrylate	10.67	69	1204004	159.613	ug/l	99
57) 1,3-Dichloropropane	10.95	76	1524867	136.557	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	2316455	751.988	ug/l	99
59) 2-Hexanone	10.99	43	2634444	840.306	ug/l	99
60) Dibromochloromethane	11.14	129	1211007	132.979	ug/l	100
61) 1,2-Dibromoethane	11.25	107	879234	131.751	ug/l	100
64) Tetrachloroethene	10.88	164	1273335	147.779	ug/l	98
65) Chlorobenzene	11.67	112	3413201	140.311	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	1310996	143.483	ug/l	99
67) Ethyl Benzene	11.75	91	6102370	140.625	ug/l	98
68) m/p-Xylenes	11.86	106	4767710	275.614	ug/l	96
69) o-Xylene	12.18	106	2209016	139.706	ug/l	99
70) Styrene	12.20	104	3873951	142.387	ug/l	100
71) Bromoform	12.37	173	755422	152.996	ug/l	100
73) Isopropylbenzene	12.48	105	5984642	144.060	ug/l	99
74) N-amyl acetate	12.29	43	1381840	187.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	900799	138.328	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	673164m	165.385	ug/l	
77) Bromobenzene	12.76	156	1478874	146.915	ug/l	100
78) n-propylbenzene	12.83	91	6804375	140.314	ug/l	98
79) 2-Chlorotoluene	12.91	91	3874333	147.503	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	4963364	143.679	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	342039	169.569	ug/l	96
82) 4-Chlorotoluene	13.01	91	4102498	147.286	ug/l	100
83) tert-Butylbenzene	13.23	119	4312713	139.359	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	4968669	143.533	ug/l	99
85) sec-Butylbenzene	13.40	105	5869855	139.040	ug/l	100
86) p-Isopropyltoluene	13.52	119	5644927	142.426	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	2785649	140.902	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	2700135	137.790	ug/l	99
89) n-Butylbenzene	13.85	91	5051193	138.471	ug/l	99
90) Hexachloroethane	14.11	117	1047150	140.444	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	2372487	139.341	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	159549	162.222	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	1829254	147.849	ug/l	99
94) Hexachlorobutadiene	15.27	225	1153205	156.772	ug/l	99
95) Naphthalene	15.41	128	2995448	148.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	1555426	144.821	ug/l	100

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

