

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066700.D
 Acq On : 15 Sep 2020 15:43
 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
 9/16/2020 11:44:23 AM

Quant Time: Sep 15 16:34:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	448177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	717802	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	658475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310828	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	665862	139.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	278.50%	
35) Dibromofluoromethane	7.91	113	631946	143.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	287.20%	
50) Toluene-d8	10.34	98	2424658	154.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.28%	
62) 4-Bromofluorobenzene	12.63	95	825866	152.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	463003	123.588	ug/l	98
3) Chloromethane	2.21	50	627835	128.732	ug/l	100
4) Vinyl Chloride	2.35	62	659139	129.135	ug/l	97
5) Bromomethane	2.75	94	439439	121.363	ug/l	97
6) Chloroethane	2.91	64	417463	131.287	ug/l	91
7) Trichlorofluoromethane	3.27	101	1164459	132.081	ug/l	97
8) Diethyl Ether	3.71	74	311238	140.981	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	635987	131.264	ug/l	99
10) Methyl Iodide	4.30	142	710209	154.492	ug/l	99
11) Tert butyl alcohol	5.22	59	187169	387.967	ug/l	95
12) 1,1-Dichloroethene	4.07	96	601617	134.155	ug/l	99
13) Acrolein	3.93	56	221447	656.629	ug/l	97
14) Allyl chloride	4.71	41	1023527	142.119	ug/l	100
15) Acrylonitrile	5.42	53	674425	697.371	ug/l	98
16) Acetone	4.16	43	614629	631.194	ug/l	93
17) Carbon Disulfide	4.41	76	1933303	137.195	ug/l	98
18) Methyl Acetate	4.71	43	293431	124.833	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	1480622	148.229	ug/l	98
20) Methylene Chloride	4.97	84	695923	105.518	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	729518	139.628	ug/l	98
22) Diisopropyl ether	6.36	45	2093155	143.036	ug/l	99
23) Vinyl Acetate	6.30	43	6188131	760.214	ug/l	98
24) 1,1-Dichloroethane	6.26	63	1265426	136.270	ug/l	99
25) 2-Butanone	7.21	43	869631	685.844	ug/l	98
26) 2,2-Dichloropropane	7.21	77	1155725	134.589	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	811789	142.024	ug/l	98
28) Bromochloromethane	7.54	49	456201	131.526	ug/l	97
29) Tetrahydrofuran	7.56	42	559917	721.740	ug/l	97
30) Chloroform	7.71	83	1338896	135.473	ug/l	100
31) Cyclohexane	7.98	56	1140792	135.059	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	1251866	138.424	ug/l	99
36) 1,1-Dichloropropene	8.11	75	1045148	141.619	ug/l	99
37) Ethyl Acetate	7.29	43	399789	143.094	ug/l	99
38) Carbon Tetrachloride	8.09	117	1118375	142.701	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	1282966	151.984	ug/l	99
40) Benzene	8.35	78	2888771	144.685	ug/l	97
41) Methacrylonitrile	7.52	41	220245m	162.819	ug/l	
42) 1,2-Dichloroethane	8.42	62	864167	139.705	ug/l	100
43) Isopropyl Acetate	8.45	43	773731	147.133	ug/l	100
44) Trichloroethene	9.11	130	766207	143.529	ug/l	100
45) 1,2-Dichloropropane	9.38	63	697704	141.352	ug/l	97
46) Dibromomethane	9.47	93	387000	142.683	ug/l	99
47) Bromodichloromethane	9.66	83	1049271	141.968	ug/l	98
48) Methyl methacrylate	9.45	41	414584	154.993	ug/l	97
49) 1,4-Dioxane	9.46	88	83505	2874.104	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	2008570	741.892	ug/l	99
52) Toluene	10.40	92	1926568	150.625	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	998507	151.232	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	1171068	149.331	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	506877	141.740	ug/l	95
56) Ethyl methacrylate	10.66	69	654677	161.323	ug/l	98
57) 1,3-Dichloropropane	10.94	76	892785	142.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1223587	686.512	ug/l	98
59) 2-Hexanone	10.98	43	1370275	753.263	ug/l	99
60) Dibromochloromethane	11.14	129	688133	147.679	ug/l	98
61) 1,2-Dibromoethane	11.24	107	495982	144.584	ug/l	99
64) Tetrachloroethene	10.87	164	621544	138.275	ug/l	96
65) Chlorobenzene	11.67	112	1953626	143.299	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	737224	146.561	ug/l	99
67) Ethyl Benzene	11.74	91	3741226	151.503	ug/l	100
68) m/p-Xylenes	11.85	106	2796163	299.596	ug/l	97
69) o-Xylene	12.18	106	1299298	157.536	ug/l	96
70) Styrene	12.20	104	2236156	154.045	ug/l	99
71) Bromoform	12.36	173	367310	145.503	ug/l #	99
73) Isopropylbenzene	12.48	105	3568996	153.809	ug/l	100
74) N-amyl acetate	12.29	43	755963	154.443	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	542480	137.583	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	438324m	166.621	ug/l	
77) Bromobenzene	12.76	156	774649	144.844	ug/l	98
78) n-propylbenzene	12.82	91	4186429	148.003	ug/l	98
79) 2-Chlorotoluene	12.91	91	2349936	146.923	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	2956554	150.694	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	185908	150.803	ug/l	94
82) 4-Chlorotoluene	13.01	91	2427533	143.540	ug/l	99
83) tert-Butylbenzene	13.23	119	2484511	153.643	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	2952084	150.560	ug/l	99
85) sec-Butylbenzene	13.40	105	3489882	150.538	ug/l	100
86) p-Isopropyltoluene	13.52	119	3227303	153.127	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	1492652	145.475	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1454089	142.315	ug/l	98
89) n-Butylbenzene	13.84	91	3050431	152.212	ug/l	99
90) Hexachloroethane	14.11	117	631916	145.952	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	1275899	145.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	91829	144.072	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	833887	156.820	ug/l	99
94) Hexachlorobutadiene	15.27	225	458532	143.125	ug/l	100
95) Naphthalene	15.41	128	1527783	164.443	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	697369	150.146	ug/l	98

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

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