

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092820\
 Data File : VD066904.D
 Acq On : 28 Sep 2020 10:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 11:46:38 AM

Quant Time: Sep 29 01:02:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	424249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	659193	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	598101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	288237	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	180834	43.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.10%	
35) Dibromofluoromethane	7.91	113	196535	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	10.34	98	698281	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
62) 4-Bromofluorobenzene	12.63	95	248228	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	143000	48.121	ug/l	92
3) Chloromethane	2.21	50	153411	39.357	ug/l	98
4) Vinyl Chloride	2.35	62	152869	39.697	ug/l	98
5) Bromomethane	2.77	94	113898	42.080	ug/l	96
6) Chloroethane	2.93	64	96542	40.370	ug/l	90
7) Trichlorofluoromethane	3.27	101	358872	45.376	ug/l	100
8) Diethyl Ether	3.71	74	91792	45.717	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	211640	46.149	ug/l	98
10) Methyl Iodide	4.30	142	192893	47.665	ug/l	96
11) Tert butyl alcohol	5.21	59	59505	234.189	ug/l #	86
12) 1,1-Dichloroethene	4.07	96	194432	46.802	ug/l	95
13) Acrolein	3.92	56	80504	262.811	ug/l	92
14) Allyl chloride	4.71	41	277314	45.459	ug/l	98
15) Acrylonitrile	5.43	53	207788	233.526	ug/l	98
16) Acetone	4.15	43	200491	227.608	ug/l	97
17) Carbon Disulfide	4.41	76	556567	43.821	ug/l	99
18) Methyl Acetate	4.71	43	90629	45.808	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	450587	49.944	ug/l	99
20) Methylene Chloride	4.96	84	231916	48.623	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	224581	46.688	ug/l	94
22) Diisopropyl ether	6.36	45	587576	46.846	ug/l	98
23) Vinyl Acetate	6.30	43	1581590	232.440	ug/l	97
24) 1,1-Dichloroethane	6.26	63	378569	45.116	ug/l	98
25) 2-Butanone	7.21	43	241503	228.143	ug/l	99
26) 2,2-Dichloropropane	7.20	77	354202	46.056	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	256986	49.170	ug/l	96
28) Bromochloromethane	7.54	49	164317	47.401	ug/l #	93
29) Tetrahydrofuran	7.56	42	161880	238.665	ug/l	98
30) Chloroform	7.71	83	420004	46.435	ug/l	99
31) Cyclohexane	7.98	56	333697	44.198	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	389245	47.572	ug/l	98
36) 1,1-Dichloropropene	8.11	75	309732	47.362	ug/l	98
37) Ethyl Acetate	7.29	43	113016	47.804	ug/l	95
38) Carbon Tetrachloride	8.09	117	350493	49.022	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	381025	50.745	ug/l	97
40) Benzene	8.34	78	882254	48.406	ug/l	96
41) Methacrylonitrile	7.52	41	72794m	50.069	ug/l	
42) 1,2-Dichloroethane	8.42	62	253756	47.096	ug/l	99
43) Isopropyl Acetate	8.45	43	217097	47.630	ug/l	99
44) Trichloroethene	9.11	130	255738	49.227	ug/l	93
45) 1,2-Dichloropropane	9.38	63	218703	47.692	ug/l	100
46) Dibromomethane	9.47	93	122264	49.072	ug/l	94
47) Bromodichloromethane	9.66	83	318183	47.539	ug/l #	99
48) Methyl methacrylate	9.45	41	114926	51.140	ug/l	95
49) 1,4-Dioxane	9.45	88	29928	1066.066	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	569391	246.537	ug/l	98
52) Toluene	10.40	92	589077	50.177	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	294483	51.694	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	349935	50.378	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	170270	49.712	ug/l	97
56) Ethyl methacrylate	10.66	69	194222	52.932	ug/l	96
57) 1,3-Dichloropropane	10.94	76	280239	49.550	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	412441	237.392	ug/l	97
59) 2-Hexanone	10.98	43	399544	256.528	ug/l	96
60) Dibromochloromethane	11.14	129	228736	51.168	ug/l	99
61) 1,2-Dibromoethane	11.24	107	163804	51.417	ug/l	99
64) Tetrachloroethene	10.87	164	220516	51.256	ug/l	97
65) Chlorobenzene	11.67	112	622408	49.993	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	241758	51.307	ug/l	99
67) Ethyl Benzene	11.74	91	1116490	51.061	ug/l	100
68) m/p-Xylenes	11.85	106	865706	104.570	ug/l	99
69) o-Xylene	12.18	106	390851	52.212	ug/l	99
70) Styrene	12.19	104	683364	52.566	ug/l	99
71) Bromoform	12.36	173	125036	52.410	ug/l #	96
73) Isopropylbenzene	12.48	105	1092379	52.462	ug/l	99
74) N-amyl acetate	12.28	43	201971	49.670	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	176776	49.200	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	130779m	54.750	ug/l	
77) Bromobenzene	12.76	156	253112	51.975	ug/l	95
78) n-propylbenzene	12.82	91	1282332	51.191	ug/l	99
79) 2-Chlorotoluene	12.91	91	709058	49.672	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	918481	51.986	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	52035	54.502	ug/l	96
82) 4-Chlorotoluene	13.00	91	752443	50.004	ug/l	99
83) tert-Butylbenzene	13.23	119	771391	53.133	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	910421	51.966	ug/l	99
85) sec-Butylbenzene	13.40	105	1086327	52.034	ug/l	99
86) p-Isopropyltoluene	13.52	119	1001668	53.228	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	477934	49.676	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	468145	48.991	ug/l	98
89) n-Butylbenzene	13.84	91	935596	52.307	ug/l	100
90) Hexachloroethane	14.11	117	187472	49.070	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	416314	50.577	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29183	50.491	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	283774	54.765	ug/l	97
94) Hexachlorobutadiene	15.27	225	167668	53.998	ug/l	98
95) Naphthalene	15.41	128	497491	56.551	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	243408	54.425	ug/l	99

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

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