

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051320\
 Data File : VD065731.D
 Acq On : 13 May 2020 14:15
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: May 13 14:32:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D051320S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 13 13:42:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	369907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	555719	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	497900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	440395	124.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	248.40%	
35) Dibromofluoromethane	7.92	113	464254	136.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.90%	
50) Toluene-d8	10.34	98	1750744	135.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.40%	
62) 4-Bromofluorobenzene	12.64	95	589551	129.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	355244	125.719	ug/l	99
3) Chloromethane	2.21	50	478454	132.050	ug/l	98
4) Vinyl Chloride	2.35	62	539567	145.926	ug/l	99
5) Bromomethane	2.75	94	359202	152.632	ug/l	97
6) Chloroethane	2.91	64	349873	146.185	ug/l	100
7) Trichlorofluoromethane	3.27	101	741050	127.942	ug/l	95
8) Diethyl Ether	3.71	74	220729	122.758	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	453134	128.930	ug/l	98
10) Methyl Iodide	4.30	142	571143	164.450	ug/l	99
11) Tert butyl alcohol	5.22	59	147622	460.174	ug/l	99
12) 1,1-Dichloroethene	4.07	96	433517	125.753	ug/l	98
13) Acrolein	3.93	56	117775	414.264	ug/l	96
14) Allyl chloride	4.71	41	745353	110.490	ug/l	100
15) Acrylonitrile	5.42	53	473806	567.467	ug/l	99
16) Acetone	4.16	43	422022	564.385	ug/l	99
17) Carbon Disulfide	4.41	76	1365041	121.686	ug/l	98
18) Methyl Acetate	4.72	43	203086	108.596	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	1017913	123.395	ug/l	98
20) Methylene Chloride	4.97	84	467019	120.576	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	492079	124.481	ug/l	97
22) Diisopropyl ether	6.36	45	1445933	115.455	ug/l	95
23) Vinyl Acetate	6.31	43	4346969	576.660	ug/l	100
24) 1,1-Dichloroethane	6.27	63	840920	121.143	ug/l	100
25) 2-Butanone	7.21	43	610965	549.183	ug/l	96
26) 2,2-Dichloropropane	7.21	77	762346	121.344	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	547713	128.070	ug/l	99
28) Bromochloromethane	7.55	49	354476	122.340	ug/l	99
29) Tetrahydrofuran	7.56	42	391515	544.867	ug/l	99
30) Chloroform	7.71	83	861534	128.182	ug/l	100
31) Cyclohexane	7.98	56	778421	108.562	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	798329	127.628	ug/l	99
36) 1,1-Dichloropropene	8.11	75	676113	125.675	ug/l	99
37) Ethyl Acetate	7.29	43	288808	113.872	ug/l	99
38) Carbon Tetrachloride	8.10	117	731545	135.733	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	870616	129.087	ug/l	100
40) Benzene	8.36	78	1895319	128.829	ug/l	98
41) Methacrylonitrile	7.53	41	161756m	109.157	ug/l	
42) 1,2-Dichloroethane	8.43	62	537473	127.312	ug/l	100
43) Isopropyl Acetate	8.46	43	583274	114.942	ug/l	99
44) Trichloroethene	9.11	130	565405	137.690	ug/l	99
45) 1,2-Dichloropropane	9.39	63	480764	127.372	ug/l	99
46) Dibromomethane	9.48	93	255167	133.547	ug/l	100
47) Bromodichloromethane	9.67	83	678542	132.786	ug/l	96
48) Methyl methacrylate	9.46	41	287392	113.351	ug/l	99
49) 1,4-Dioxane	9.46	88	56678	2441.660	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	1383629	565.538	ug/l	100
52) Toluene	10.41	92	1240577	132.605	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	666977	129.772	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	788360	129.505	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	348501	135.341	ug/l	98
56) Ethyl methacrylate	10.66	69	456762	124.228	ug/l	97
57) 1,3-Dichloropropane	10.95	76	600066	130.075	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	1051097	617.751	ug/l	100
59) 2-Hexanone	10.99	43	955208	569.858	ug/l	98
60) Dibromochloromethane	11.14	129	477486	136.938	ug/l	99
61) 1,2-Dibromoethane	11.25	107	345405	133.291	ug/l	97
64) Tetrachloroethene	10.88	164	472065	134.669	ug/l	98
65) Chlorobenzene	11.67	112	1322712	133.707	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	503874	136.829	ug/l	100
67) Ethyl Benzene	11.75	91	2394778	130.614	ug/l	97
68) m/p-Xylenes	11.86	106	1809331	263.671	ug/l	100
69) o-Xylene	12.18	106	849090	132.553	ug/l	95
70) Styrene	12.20	104	1460508	132.912	ug/l	99
71) Bromoform	12.37	173	287025	138.339	ug/l #	100
73) Isopropylbenzene	12.48	105	2298892	126.888	ug/l	100
74) N-amyl acetate	12.29	43	546445	108.611	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	360998	119.788	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	223372m	110.162	ug/l	
77) Bromobenzene	12.77	156	559528	133.616	ug/l	99
78) n-propylbenzene	12.83	91	2686095	126.276	ug/l	100
79) 2-Chlorotoluene	12.91	91	1493098	124.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1915213	129.053	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	130080	115.518	ug/l	99
82) 4-Chlorotoluene	13.01	91	1559827	124.015	ug/l	100
83) tert-Butylbenzene	13.23	119	1669347	131.207	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1885869	127.378	ug/l	99
85) sec-Butylbenzene	13.41	105	2274661	128.393	ug/l	100
86) p-Isopropyltoluene	13.52	119	2122322	131.011	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1030465	131.220	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1038984	133.841	ug/l	99
89) n-Butylbenzene	13.85	91	1968700	126.166	ug/l	100
90) Hexachloroethane	14.12	117	420168	130.644	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	919407	135.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60042	119.690	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	694824	136.743	ug/l	99
94) Hexachlorobutadiene	15.28	225	409325	138.531	ug/l	100
95) Naphthalene	15.41	128	1162118	131.149	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	598049	138.387	ug/l	99

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

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