

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050120\
 Data File : VD065691.D
 Acq On : 01 May 2020 19:41
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Quant Time: May 02 04:25:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050120S.M
 Quant Title : SW846 8260
 QLast Update : Sat May 02 02:54:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	633610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	877643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	834499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	438133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	653040	122.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	244.80%	
35) Dibromofluoromethane	7.91	113	604407	98.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.96%	
50) Toluene-d8	10.34	98	2357974	147.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.18%	
62) 4-Bromofluorobenzene	12.64	95	752965	122.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	285724	55.037	ug/l	95
3) Chloromethane	2.21	50	558147	110.717	ug/l	97
4) Vinyl Chloride	2.34	62	700578	143.650	ug/l	99
5) Bromomethane	2.75	94	427656	239.636	ug/l	98
6) Chloroethane	2.91	64	465290	220.419	ug/l	99
7) Trichlorofluoromethane	3.27	101	901245	126.643	ug/l	99
8) Diethyl Ether	3.71	74	262571	137.687	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	545847	90.204	ug/l	98
10) Methyl Iodide	4.30	142	606201	86.081	ug/l	95
11) Tert butyl alcohol	5.23	59	168820	568.096	ug/l	95
12) 1,1-Dichloroethene	4.06	96	506735	97.736	ug/l	96
13) Acrolein	3.92	56	272500	793.057	ug/l	98
14) Allyl chloride	4.71	41	921944	123.995	ug/l	99
15) Acrylonitrile	5.43	53	633520	673.960	ug/l	95
16) Acetone	4.16	43	536008	457.371	ug/l	93
17) Carbon Disulfide	4.41	76	1607110	105.161	ug/l	99
18) Methyl Acetate	4.71	43	327279	125.848	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	1260294	118.623	ug/l	97
20) Methylene Chloride	4.96	84	609638	90.577	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	619756	103.525	ug/l	98
22) Diisopropyl ether	6.37	45	1916413	112.932	ug/l	98
23) Vinyl Acetate	6.31	43	5561933	620.232	ug/l	99
24) 1,1-Dichloroethane	6.26	63	1084806	105.714	ug/l	99
25) 2-Butanone	7.21	43	815008	550.566	ug/l	100
26) 2,2-Dichloropropane	7.21	77	933360	104.779	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	669166	98.401	ug/l	92
28) Bromochloromethane	7.55	49	442518	111.589	ug/l	94
29) Tetrahydrofuran	7.57	42	537232	702.893	ug/l	100
30) Chloroform	7.71	83	1122597	99.162	ug/l	99
31) Cyclohexane	7.98	56	964883	125.077	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	1036046	105.253	ug/l	96
36) 1,1-Dichloropropene	8.11	75	876171	122.971	ug/l	98
37) Ethyl Acetate	7.30	43	381643	123.092	ug/l	99
38) Carbon Tetrachloride	8.10	117	955356	109.913	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	1030585	142.357	ug/l	96
40) Benzene	8.36	78	2461771	135.537	ug/l	98
41) Methacrylonitrile	7.53	41	206830m	64.745	ug/l	
42) 1,2-Dichloroethane	8.43	62	774308	126.614	ug/l	99
43) Isopropyl Acetate	9.53	43	518885	117.549	ug/l	98
44) Trichloroethene	9.11	130	659033	100.566	ug/l	99
45) 1,2-Dichloropropane	9.39	63	622557	134.764	ug/l	98
46) Dibromomethane	9.48	93	332231	106.208	ug/l	97
47) Bromodichloromethane	9.67	83	890604	117.205	ug/l	99
48) Methyl methacrylate	9.46	41	359463	134.740	ug/l	97
49) 1,4-Dioxane	9.47	88	79161	2816.779	ug/l #	88
51) 4-Methyl-2-Pentanone	10.23	43	1939268	690.908	ug/l	98
52) Toluene	10.41	92	1625582	138.520	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	841746	131.285	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	972875	124.679	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	445835	117.849	ug/l	97
56) Ethyl methacrylate	10.67	69	576701	135.883	ug/l	99
57) 1,3-Dichloropropane	10.95	76	785282	130.861	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	1300412	667.182	ug/l	98
59) 2-Hexanone	10.99	43	1329870	645.753	ug/l	100
60) Dibromochloromethane	11.14	129	611154	101.534	ug/l	100
61) 1,2-Dibromoethane	11.25	107	429819	98.315	ug/l	99
64) Tetrachloroethene	10.88	164	587099	98.291	ug/l	99
65) Chlorobenzene	11.67	112	1685087	105.063	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	673655	100.840	ug/l	99
67) Ethyl Benzene	11.75	91	3182768	119.252	ug/l	100
68) m/p-Xylenes	11.86	106	2438274	248.395	ug/l	99
69) o-Xylene	12.18	106	1093701	123.273	ug/l	96
70) Styrene	12.20	104	1980799	128.209	ug/l	97
71) Bromoform	12.37	173	371061	97.291	ug/l	99
73) Isopropylbenzene	12.48	105	3008121	103.058	ug/l	97
74) N-amyl acetate	12.30	43	685968	93.077	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	484941	86.720	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	337606m	65.253	ug/l	
77) Bromobenzene	12.77	156	721391	87.741	ug/l	99
78) n-propylbenzene	12.83	91	3572098	105.441	ug/l	99
79) 2-Chlorotoluene	12.91	91	1965915	97.477	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	2532453	107.506	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.54	75	167233	99.773	ug/l	98
82) 4-Chlorotoluene	13.01	91	2113424	95.754	ug/l	98
83) tert-Butylbenzene	13.23	119	2119514	82.257	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	2581165	115.874	ug/l	100
85) sec-Butylbenzene	13.41	105	2962826	102.094	ug/l	100
86) p-Isopropyltoluene	13.53	119	2854904	109.973	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	1438733	98.796	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1366728	100.263	ug/l	99
89) n-Butylbenzene	13.86	91	2567101	108.798	ug/l	99
90) Hexachloroethane	14.12	117	537294	79.878	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	1192273	98.309	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	82618	106.752	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	834322	124.717	ug/l	97
94) Hexachlorobutadiene	15.28	225	544777	112.065	ug/l	99
95) Naphthalene	15.41	128	1384373	127.740	ug/l	97
96) 1,2,3-Trichlorobenzene	15.61	180	734748	175.128	ug/l	99

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

