

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090320\
 Data File : VD066540.D
 Acq On : 03 Sep 2020 16:23
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 4:54:57 PM

Quant Time: Sep 04 01:37:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:16:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	388742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	628828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	568326	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	465006	112.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.12%	
35) Dibromofluoromethane	7.91	113	430965	114.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.16%	
50) Toluene-d8	10.34	98	1636271	116.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	233.02%	
62) 4-Bromofluorobenzene	12.63	95	526603	105.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	304105	91.335	ug/l	93
3) Chloromethane	2.21	50	419980	174.419	ug/l	97
4) Vinyl Chloride	2.35	62	494006	171.797	ug/l	98
5) Bromomethane	2.75	94	331461	146.531	ug/l	87
6) Chloroethane	2.92	64	311312	163.472	ug/l	97
7) Trichlorofluoromethane	3.27	101	720209	97.017	ug/l	98
8) Diethyl Ether	3.70	74	199525	134.014	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	387199	118.729	ug/l	99
10) Methyl Iodide	4.30	142	421363	123.131	ug/l	97
11) Tert butyl alcohol	5.22	59	131355	430.247	ug/l	100
12) 1,1-Dichloroethene	4.07	96	369445	122.296	ug/l	96
13) Acrolein	3.92	56	89372	634.991	ug/l	96
14) Allyl chloride	4.71	41	637498	171.879	ug/l	99
15) Acrylonitrile	5.41	53	432382	777.498	ug/l	99
16) Acetone	4.15	43	411243	634.309	ug/l	98
17) Carbon Disulfide	4.40	76	1208858	134.222	ug/l	99
18) Methyl Acetate	4.71	43	197099	172.551	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	944523	121.401	ug/l	95
20) Methylene Chloride	4.96	84	449472	116.564	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	445368	126.820	ug/l	98
22) Diisopropyl ether	6.36	45	1332860	176.022	ug/l	98
23) Vinyl Acetate	6.30	43	3965291	836.923	ug/l	100
24) 1,1-Dichloroethane	6.26	63	789702	141.737	ug/l	98
25) 2-Butanone	7.21	43	580754	810.607	ug/l	95
26) 2,2-Dichloropropane	7.20	77	710891	108.391	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	499229	131.623	ug/l	100
28) Bromochloromethane	7.54	49	332729	191.072	ug/l	100
29) Tetrahydrofuran	7.56	42	365010	934.881	ug/l	99
30) Chloroform	7.71	83	838197	122.456	ug/l	99
31) Cyclohexane	7.98	56	690458	139.651	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	776192	105.578	ug/l	99
36) 1,1-Dichloropropene	8.11	75	646882	114.749	ug/l	98
37) Ethyl Acetate	7.29	43	251742	138.924	ug/l	96
38) Carbon Tetrachloride	8.10	117	679342	84.272	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	767420	116.042	ug/l	98
40) Benzene	8.34	78	1777092	121.127	ug/l	100
41) Methacrylonitrile	7.52	41	126422m	131.154	ug/l	
42) 1,2-Dichloroethane	8.42	62	560103	94.696	ug/l	100
43) Isopropyl Acetate	8.45	43	516517	139.745	ug/l	98
44) Trichloroethene	9.11	130	461525	95.654	ug/l	96
45) 1,2-Dichloropropane	9.38	63	443485	144.457	ug/l	94
46) Dibromomethane	9.47	93	248427	117.826	ug/l	97
47) Bromodichloromethane	9.66	83	668950	108.391	ug/l	98
48) Methyl methacrylate	9.45	41	274499	145.534	ug/l	97
49) 1,4-Dioxane	9.46	88	56269	2306.184	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	1321412	762.175	ug/l	99
52) Toluene	10.40	92	1154412	112.785	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	625861	111.703	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	737083	121.874	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	322159	120.696	ug/l	96
56) Ethyl methacrylate	10.66	69	414923	130.310	ug/l	98
57) 1,3-Dichloropropane	10.94	76	566349	126.432	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	846644	660.230	ug/l	97
59) 2-Hexanone	10.98	43	910222	731.820	ug/l	99
60) Dibromochloromethane	11.14	129	424019	99.682	ug/l	100
61) 1,2-Dibromoethane	11.24	107	316305	116.080	ug/l	100
64) Tetrachloroethene	10.87	164	378407	87.953	ug/l	94
65) Chlorobenzene	11.67	112	1174451	105.194	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	442485	95.148	ug/l	99
67) Ethyl Benzene	11.74	91	2246080	112.987	ug/l	99
68) m/p-Xylenes	11.86	106	1674453	218.074	ug/l	100
69) o-Xylene	12.18	106	754377	104.374	ug/l	98
70) Styrene	12.20	104	1327996	107.239	ug/l	99
71) Bromoform	12.36	173	227786	90.990	ug/l #	98
73) Isopropylbenzene	12.48	105	2119747	115.209	ug/l	100
74) N-amyl acetate	12.29	43	470407	155.286	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	343522	145.060	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	237824m	126.691	ug/l	
77) Bromobenzene	12.76	156	451670	99.157	ug/l	98
78) n-propylbenzene	12.82	91	2530445	123.253	ug/l	100
79) 2-Chlorotoluene	12.91	91	1403319	119.478	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1775777	111.280	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	116454	143.434	ug/l	94
82) 4-Chlorotoluene	13.01	91	1478792	117.257	ug/l	100
83) tert-Butylbenzene	13.23	119	1453578	105.414	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1778990	112.044	ug/l	98
85) sec-Butylbenzene	13.40	105	2066250	115.163	ug/l	100
86) p-Isopropyltoluene	13.52	119	1926265	109.311	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	897752	105.164	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	868155	100.985	ug/l	99
89) n-Butylbenzene	13.85	91	1834722	121.297	ug/l	99
90) Hexachloroethane	14.12	117	369932	113.635	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	764069	103.145	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	58103	102.773	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	490689	87.351	ug/l	98
94) Hexachlorobutadiene	15.27	225	276693	76.736	ug/l	98
95) Naphthalene	15.41	128	935799	104.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	421424	86.561	ug/l	100

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

