

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD050620\
 Data File : VD065698.D
 Acq On : 06 May 2020 15:38
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 5/7/2020 10:35:59 AM

Quant Time: May 06 16:13:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050620S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 15:51:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	482959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	744377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661643	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	312828	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	249339	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
35) Dibromofluoromethane	7.92	113	241100	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	10.34	98	933633	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
62) 4-Bromofluorobenzene	12.64	95	326091	53.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.44%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	185308	44.117	ug/l	100
3) Chloromethane	2.21	50	228839	43.183	ug/l	100
4) Vinyl Chloride	2.35	62	239223	47.920	ug/l	100
5) Bromomethane	2.77	94	145521	41.654	ug/l	100
6) Chloroethane	2.92	64	150207	48.340	ug/l	100
7) Trichlorofluoromethane	3.27	101	379862	49.295	ug/l	100
8) Diethyl Ether	3.71	74	118213	68.727	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	231165	46.658	ug/l	100
10) Methyl Iodide	4.30	142	240552	50.589	ug/l	100
11) Tert butyl alcohol	5.23	59	92276	356.586	ug/l	100
12) 1,1-Dichloroethene	4.07	96	225992	48.921	ug/l	100
13) Acrolein	3.93	56	89618	269.397	ug/l	100
14) Allyl chloride	4.71	41	442910	61.308	ug/l	100
15) Acrylonitrile	5.43	53	276679	284.602	ug/l	100
16) Acetone	4.16	43	278620	312.844	ug/l	100
17) Carbon Disulfide	4.41	76	747559	48.802	ug/l	100
18) Methyl Acetate	4.73	43	126528	51.317	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	563031	60.547	ug/l	100
20) Methylene Chloride	4.97	84	246620	45.270	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	252535	48.730	ug/l	100
22) Diisopropyl ether	6.37	45	847179	61.641	ug/l	100
23) Vinyl Acetate	6.31	43	2584423	343.996	ug/l	100
24) 1,1-Dichloroethane	6.27	63	454629	51.350	ug/l	100
25) 2-Butanone	7.22	43	389719	320.697	ug/l	100
26) 2,2-Dichloropropane	7.21	77	403833	50.884	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	279819	51.961	ug/l	100
28) Bromochloromethane	7.56	49	197113	54.296	ug/l	100
29) Tetrahydrofuran	7.57	42	246804	324.088	ug/l	100
30) Chloroform	7.71	83	435905	47.748	ug/l	100
31) Cyclohexane	7.98	56	446837	53.548	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	403711	48.771	ug/l	100
36) 1,1-Dichloropropene	8.12	75	367264	48.852	ug/l	100
37) Ethyl Acetate	7.30	43	175936	59.428	ug/l	100
38) Carbon Tetrachloride	8.10	117	359589	44.685	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	455176	53.247	ug/l	100
40) Benzene	8.36	78	998884	46.884	ug/l	100
41) Methacrylonitrile	7.53	41	91888	55.909	ug/l	100
42) 1,2-Dichloroethane	8.43	62	287128	47.616	ug/l	100
43) Isopropyl Acetate	8.46	43	354818	64.413	ug/l	100
44) Trichloroethene	9.12	130	275429	45.203	ug/l	100
45) 1,2-Dichloropropane	9.40	63	259959	49.417	ug/l	100
46) Dibromomethane	9.48	93	130762	46.536	ug/l	100
47) Bromodichloromethane	9.67	83	344950	46.971	ug/l	100
48) Methyl methacrylate	9.46	41	178824	68.694	ug/l	100
49) 1,4-Dioxane	9.47	88	33173	1080.289	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	862905	308.669	ug/l	100
52) Toluene	10.41	92	631188	47.086	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	353989	53.186	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	413348	51.146	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	177446	45.189	ug/l	100
56) Ethyl methacrylate	10.67	69	255517	61.575	ug/l	100
57) 1,3-Dichloropropane	10.95	76	317478	48.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	593070	277.398	ug/l	100
59) 2-Hexanone	10.99	43	599891	321.044	ug/l	100
60) Dibromochloromethane	11.14	129	233252	44.915	ug/l	100
61) 1,2-Dibromoethane	11.25	107	178106	47.358	ug/l	100
64) Tetrachloroethene	10.88	164	229154	44.970	ug/l	100
65) Chlorobenzene	11.68	112	649190	46.512	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	246431	46.430	ug/l	100
67) Ethyl Benzene	11.75	91	1213561	52.110	ug/l	100
68) m/p-Xylenes	11.86	106	903363	99.687	ug/l	100
69) o-Xylene	12.18	106	423751	53.489	ug/l	100
70) Styrene	12.20	104	731512	52.722	ug/l	100
71) Bromoform	12.37	173	138955	46.273	ug/l #	100
73) Isopropylbenzene	12.48	105	1149838	57.406	ug/l	100
74) N-amyl acetate	12.30	43	339084	76.434	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	195637	52.676	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	135785m	53.535	ug/l	
77) Bromobenzene	12.77	156	266925	49.565	ug/l	100
78) n-propylbenzene	12.83	91	1373091	56.849	ug/l	100
79) 2-Chlorotoluene	12.91	91	769741	55.507	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	955856	56.701	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	73825	64.887	ug/l	100
82) 4-Chlorotoluene	13.01	91	799108	53.759	ug/l	100
83) tert-Butylbenzene	13.23	119	810413	57.774	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	942676	56.528	ug/l	100
85) sec-Butylbenzene	13.41	105	1145633	56.962	ug/l	100
86) p-Isopropyltoluene	13.53	119	1041355	56.573	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	498861	48.062	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	493255	47.613	ug/l	100
89) n-Butylbenzene	13.86	91	1008200	59.523	ug/l	100
90) Hexachloroethane	14.13	117	208408	51.629	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	432766	48.933	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	33409	56.582	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	329238	55.384	ug/l	100
94) Hexachlorobutadiene	15.28	225	190235	47.380	ug/l	100
95) Naphthalene	15.41	128	581938	65.139	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	279870	54.623	ug/l	100

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

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