

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064157.D
 Acq On : 08 Nov 2019 15:03
 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
 11/13/2019 11:06:47 AM

Quant Time: Nov 08 15:44:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	909185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1293769	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1110839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	540677	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	412305	55.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	7.92	113	408378	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	10.34	98	1550019	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.64	95	522375	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.99	85	388884	42.981	100
3) Chloromethane	2.21	50	409873	28.598	100
4) Vinyl Chloride	2.35	62	453424	29.291	100
5) Bromomethane	2.77	94	288088	28.773	100
6) Chloroethane	2.93	64	291061	30.146	100
7) Trichlorofluoromethane	3.27	101	732851	33.838	100
8) Diethyl Ether	3.71	74	199373	49.332	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	407259	49.020	100
10) Methyl Iodide	4.30	142	491225	48.689	100
11) Tert butyl alcohol	5.24	59	139103	339.370	100
12) 1,1-Dichloroethene	4.06	96	397674	50.223	100
13) Acrolein	3.93	56	132252	280.928	100
14) Allyl chloride	4.71	41	716267	71.302	100
15) Acrylonitrile	5.43	53	421672	278.617	100
16) Acetone	4.17	43	482109	336.171	100
17) Carbon Disulfide	4.40	76	1259931	51.737	100
18) Methyl Acetate	4.72	43	246426	63.472	100
19) Methyl tert-butyl Ether	5.49	73	954603	57.817	100
20) Methylene Chloride	4.97	84	430673	44.019	100
21) trans-1,2-Dichloroethene	5.47	96	449222	50.635	100
22) Diisopropyl ether	6.37	45	1304991	61.179	100
23) Vinyl Acetate	6.31	43	3774408	321.654	100
24) 1,1-Dichloroethane	6.27	63	766465	54.609	100
25) 2-Butanone	7.23	43	599567	304.558	100
26) 2,2-Dichloropropane	7.21	77	738553	55.193	100
27) cis-1,2-Dichloroethene	7.22	96	479725	48.689	100
28) Bromochloromethane	7.55	49	278245	55.126	100
29) Tetrahydrofuran	7.57	42	360150	310.970	100
30) Chloroform	7.71	83	777040	49.198	100
31) Cyclohexane	7.98	56	720207	52.418	100
32) 1,1,1-Trichloroethane	7.91	97	737667	50.080	100
36) 1,1-Dichloropropene	8.11	75	624965	51.242	100
37) Ethyl Acetate	7.30	43	257994	65.509	100
38) Carbon Tetrachloride	8.10	117	670088	50.782	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	777048	52.434	ug/l	100
40) Benzene	8.35	78	1715423	51.832	ug/l	100
41) Methacrylonitrile	7.53	41	172839	73.276	ug/l	100
42) 1,2-Dichloroethane	8.43	62	506872	57.031	ug/l	100
43) Isopropyl Acetate	8.46	43	538524	66.938	ug/l	100
44) Trichloroethene	9.11	130	511997	51.281	ug/l	100
45) 1,2-Dichloropropane	9.39	63	414053	53.422	ug/l	100
46) Dibromomethane	9.48	93	221276	48.631	ug/l	100
47) Bromodichloromethane	9.67	83	596139	51.471	ug/l	100
48) Methyl methacrylate	9.46	41	256886	68.806	ug/l	100
49) 1,4-Dioxane	9.47	88	51090	994.424	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	1278320	302.421	ug/l	100
52) Toluene	10.41	92	1117980	48.917	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	598839	54.967	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	699345	54.391	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	300065	46.931	ug/l	100
56) Ethyl methacrylate	10.66	69	419951	58.281	ug/l	100
57) 1,3-Dichloropropane	10.95	76	522719	49.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	848723	288.432	ug/l	100
59) 2-Hexanone	10.99	43	927727	309.784	ug/l	100
60) Dibromochloromethane	11.14	129	415356	47.747	ug/l	100
61) 1,2-Dibromoethane	11.25	107	300273	47.104	ug/l	100
64) Tetrachloroethene	10.88	164	448620	55.196	ug/l	100
65) Chlorobenzene	11.67	112	1170988	51.032	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	445479	51.688	ug/l	100
67) Ethyl Benzene	11.75	91	2121272	51.823	ug/l	100
68) m/p-Xylenes	11.86	106	1640447	100.535	ug/l	100
69) o-Xylene	12.18	106	757628	50.796	ug/l	100
70) Styrene	12.20	104	1324766	51.620	ug/l	100
71) Bromoform	12.36	173	255279	54.811	ug/l #	100
73) Isopropylbenzene	12.48	105	2069558	54.101	ug/l	100
74) N-amyl acetate	12.29	43	480254	70.870	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	307358	51.257	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	226481m	60.427	ug/l	
77) Bromobenzene	12.77	156	503597	54.330	ug/l	100
78) n-propylbenzene	12.83	91	2381115	53.324	ug/l	100
79) 2-Chlorotoluene	12.91	91	1335504	55.217	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	1694114	53.258	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	114233	61.502	ug/l	100
82) 4-Chlorotoluene	13.01	91	1384488	53.979	ug/l	100
83) tert-Butylbenzene	13.23	119	1507330	52.895	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1677843	52.637	ug/l	100
85) sec-Butylbenzene	13.41	105	2028292	52.175	ug/l	100
86) p-Isopropyltoluene	13.52	119	1914595	52.461	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	921849	50.638	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	927675	51.411	ug/l	100
89) n-Butylbenzene	13.85	91	1745825	51.975	ug/l	100
90) Hexachloroethane	14.11	117	351797	51.240	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	792466	50.545	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	53568	59.149	ug/l	100

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93) 1,2,4-Trichlorobenzene	15.17	180	616038	54.073	ug/l	100
94) Hexachlorobutadiene	15.27	225	396497	58.537	ug/l	100
95) Naphthalene	15.41	128	997088	53.856	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	516610	52.236	ug/l	100

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

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