

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070076.D
 Acq On : 16 Aug 2021 19:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/18/2021 6:57:19 PM

Quant Time: Aug 17 03:57:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.979	168	488140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	912291	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	893420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	420421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	310174	54.025	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.060%			
35) Dibromofluoromethane	7.914	113	312286	52.984	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.960%			
50) Toluene-d8	10.337	98	1228236	53.578	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.160%			
62) 4-Bromofluorobenzene	12.625	95	411041	54.438	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.985	85	209189	43.894	ug/l	98
3) Chloromethane	2.208	50	341890	50.564	ug/l	98
4) Vinyl Chloride	2.344	62	362900	43.928	ug/l	98
5) Bromomethane	2.761	94	226270	49.915	ug/l	95
6) Chloroethane	2.914	64	241622	45.782	ug/l	99
7) Trichlorofluoromethane	3.267	101	430351	43.372	ug/l	96
8) Diethyl Ether	3.708	74	139807	49.235	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	271326	42.983	ug/l	99
10) Methyl Iodide	4.297	142	270068	46.792	ug/l	100
11) Tert butyl alcohol	5.220	59	72050	227.046	ug/l #	71
12) 1,1-Dichloroethene	4.061	96	267884	46.192	ug/l	96
13) Acrolein	3.926	56	77111	210.956	ug/l	99
14) Allyl chloride	4.714	41	419017	48.423	ug/l	99
15) Acrylonitrile	5.420	53	334110	253.749	ug/l	99
16) Acetone	4.155	43	234461	221.683	ug/l	94
17) Carbon Disulfide	4.408	76	954191	45.508	ug/l	99
18) Methyl Acetate	4.720	43	180690	57.302	ug/l	98
19) Methyl tert-butyl Ether	5.479	73	620207	51.530	ug/l	100
20) Methylene Chloride	4.961	84	413431	58.788	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	324667	48.196	ug/l	95
22) Diisopropyl ether	6.361	45	988839	54.334	ug/l	98
23) Vinyl Acetate	6.302	43	2211420	268.122	ug/l	100
24) 1,1-Dichloroethane	6.261	63	616943	49.547	ug/l	98
25) 2-Butanone	7.214	43	373953	258.756	ug/l	96
26) 2,2-Dichloropropane	7.208	77	437420	45.118	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	368137	51.460	ug/l	99
28) Bromochloromethane	7.543	49	242653	53.552	ug/l	98
29) Tetrahydrofuran	7.561	42	255737	270.242	ug/l	99
30) Chloroform	7.708	83	566360	46.250	ug/l	98
31) Cyclohexane	7.979	56	472291	41.561	ug/l	95
32) 1,1,1-Trichloroethane	7.902	97	496508	48.520	ug/l	98
36) 1,1-Dichloropropene	8.108	75	420148	42.810	ug/l	100
37) Ethyl Acetate	7.290	43	181535	50.924	ug/l	99
38) Carbon Tetrachloride	8.096	117	379882	42.636	ug/l	95
39) Methylcyclohexane	9.355	83	484016	42.358	ug/l	98
40) Benzene	8.349	78	1396912	49.072	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	109068	56.591	ug/l	90
42) 1,2-Dichloroethane	8.426	62	363167	49.780	ug/l	97
43) Isopropyl Acetate	8.449	43	331049	49.743	ug/l	99
44) Trichloroethene	9.108	130	321886	46.809	ug/l	98
45) 1,2-Dichloropropane	9.384	63	336419	45.498	ug/l	97
46) Dibromomethane	9.473	93	179028	49.849	ug/l	99
47) Bromodichloromethane	9.655	83	459597	49.463	ug/l	97
48) Methyl methacrylate	9.455	41	156060	49.173	ug/l	96
49) 1,4-Dioxane	9.455	88	40715	1041.727	ug/l	99
51) 4-Methyl-2-Pentanone	10.226	43	910067	262.987	ug/l	100
52) Toluene	10.402	92	854111	49.295	ug/l	97
53) t-1,3-Dichloropropene	10.614	75	393202	47.775	ug/l	99
54) cis-1,3-Dichloropropene	10.084	75	469347	46.984	ug/l	98
55) 1,1,2-Trichloroethane	10.790	97	235452	46.271	ug/l	96
56) Ethyl methacrylate	10.655	69	307722	53.141	ug/l	99
57) 1,3-Dichloropropane	10.937	76	449922	51.074	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.937	63	932203	305.223	ug/l	100
59) 2-Hexanone	10.979	43	614018	264.947	ug/l	100
60) Dibromochloromethane	11.131	129	294240	50.477	ug/l	98
61) 1,2-Dibromoethane	11.243	107	236224	51.278	ug/l	100
64) Tetrachloroethene	10.873	164	260530	45.202	ug/l	99
65) Chlorobenzene	11.661	112	885004	47.411	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.737	131	313972	47.363	ug/l	99
67) Ethyl Benzene	11.737	91	1601627	48.528	ug/l	99
68) m/p-Xylenes	11.843	106	1259476	98.471	ug/l	98
69) o-Xylene	12.173	106	574688	49.797	ug/l	99
70) Styrene	12.184	104	1040392	51.473	ug/l	99
71) Bromoform	12.349	173	156160	48.350	ug/l #	99
73) Isopropylbenzene	12.473	105	1471977	48.012	ug/l	99
74) N-amyl acetate	12.278	43	314284	47.545	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	294430	48.131	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	192915m	45.246	ug/l	
77) Bromobenzene	12.755	156	327567	48.138	ug/l	98
78) n-propylbenzene	12.808	91	1895118	47.931	ug/l	100
79) 2-Chlorotoluene	12.896	91	1097325	48.239	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1285115	49.237	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	75190	45.774	ug/l	97
82) 4-Chlorotoluene	12.996	91	1156816	48.567	ug/l	99
83) tert-Butylbenzene	13.214	119	1032403	48.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1284048	49.594	ug/l	100
85) sec-Butylbenzene	13.390	105	1609385	47.349	ug/l	98
86) p-Isopropyltoluene	13.508	119	1321830	48.136	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	674665	46.664	ug/l	99
88) 1,4-Dichlorobenzene	13.584	146	670199	46.800	ug/l	99
89) n-Butylbenzene	13.831	91	1264475	46.925	ug/l	99
90) Hexachloroethane	14.102	117	266251	45.947	ug/l	100
91) 1,2-Dichlorobenzene	13.878	146	597962	48.266	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.490	75	40911	44.774	ug/l	92
93) 1,2,4-Trichlorobenzene	15.149	180	323630	46.975	ug/l	99
94) Hexachlorobutadiene	15.249	225	178450	43.849	ug/l	97
95) Naphthalene	15.384	128	626652	49.977	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	289533	48.143	ug/l	100

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

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