

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083121\
 Data File : VD070284.D
 Acq On : 31 Aug 2021 17:23
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/1/2021 6:42:24 PM

Quant Time: Sep 01 03:59:32 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	387923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	726010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	720732	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	338086	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	263876	57.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.660%
35) Dibromofluoromethane	7.914	113	259635	55.353	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.700%
50) Toluene-d8	10.337	98	991395	54.342	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.680%
62) 4-Bromofluorobenzene	12.626	95	340298	56.632	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	113.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	166383	43.937	ug/l	99
3) Chloromethane	2.208	50	264202	49.036	ug/l	96
4) Vinyl Chloride	2.344	62	282232	42.989	ug/l	98
5) Bromomethane	2.755	94	211322	59.481	ug/l	92
6) Chloroethane	2.914	64	215419	51.362	ug/l	97
7) Trichlorofluoromethane	3.267	101	370989	47.049	ug/l	91
8) Diethyl Ether	3.708	74	128446	56.920	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.091	101	241934	48.228	ug/l	98
10) Methyl Iodide	4.297	142	223031	48.626	ug/l	97
11) Tert butyl alcohol	5.208	59	149670	593.489	ug/l #	86
12) 1,1-Dichloroethene	4.067	96	224088	48.623	ug/l	94
13) Acrolein	3.920	56	63142	217.367	ug/l	99
14) Allyl chloride	4.714	41	374888	54.516	ug/l	98
15) Acrylonitrile	5.420	53	320095	305.909	ug/l	99
16) Acetone	4.155	43	236110	280.915	ug/l	96
17) Carbon Disulfide	4.402	76	729598	43.786	ug/l	97
18) Methyl Acetate	4.714	43	152855	60.998	ug/l	99
19) Methyl tert-butyl Ether	5.479	73	576232	60.245	ug/l	99
20) Methylene Chloride	4.955	84	332526	59.617	ug/l	97
21) trans-1,2-Dichloroethene	5.467	96	278496	52.023	ug/l	99
22) Diisopropyl ether	6.361	45	881928	60.979	ug/l	98
23) Vinyl Acetate	6.302	43	2086652	318.353	ug/l	99
24) 1,1-Dichloroethane	6.261	63	546247	55.203	ug/l	100
25) 2-Butanone	7.208	43	359225	312.780	ug/l	95
26) 2,2-Dichloropropane	7.208	77	415003	53.865	ug/l	97
27) cis-1,2-Dichloroethene	7.208	96	318638	56.048	ug/l	99
28) Bromochloromethane	7.543	49	200815	55.768	ug/l	99
29) Tetrahydrofuran	7.561	42	238083	316.583	ug/l	98
30) Chloroform	7.708	83	549694	56.486	ug/l	99
31) Cyclohexane	7.979	56	422028	46.732	ug/l	99
32) 1,1,1-Trichloroethane	7.896	97	427607	52.582	ug/l	99
36) 1,1-Dichloropropene	8.108	75	392368	50.237	ug/l	99
37) Ethyl Acetate	7.290	43	179195	63.166	ug/l	98
38) Carbon Tetrachloride	8.090	117	361074	50.923	ug/l	96
39) Methylcyclohexane	9.355	83	430152	47.303	ug/l	97
40) Benzene	8.349	78	1214531	53.613	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	104299	68.002	ug/l #	85
42) 1,2-Dichloroethane	8.420	62	320775	55.251	ug/l	99
43) Isopropyl Acetate	8.449	43	314216	59.327	ug/l	98
44) Trichloroethene	9.108	130	279017	50.985	ug/l	97
45) 1,2-Dichloropropane	9.384	63	324463	55.140	ug/l	100
46) Dibromomethane	9.473	93	161819	56.618	ug/l	97
47) Bromodichloromethane	9.655	83	414282	56.026	ug/l	99
48) Methyl methacrylate	9.455	41	156922	62.131	ug/l	98
49) 1,4-Dioxane	9.455	88	36735	1181.056	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	858020	311.565	ug/l	100
52) Toluene	10.396	92	744560	53.998	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	372424	56.861	ug/l	98
54) cis-1,3-Dichloropropene	10.084	75	442813	55.702	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	234347	57.871	ug/l	96
56) Ethyl methacrylate	10.655	69	278560	60.448	ug/l	99
57) 1,3-Dichloropropane	10.937	76	398527	56.848	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.937	63	763500	314.128	ug/l	98
59) 2-Hexanone	10.979	43	575476	312.030	ug/l	98
60) Dibromochloromethane	11.131	129	260677	56.194	ug/l	99
61) 1,2-Dibromoethane	11.237	107	208564	56.890	ug/l	99
64) Tetrachloroethene	10.873	164	214983	46.237	ug/l	98
65) Chlorobenzene	11.661	112	771093	51.206	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.737	131	277962	51.978	ug/l	99
67) Ethyl Benzene	11.737	91	1363426	51.209	ug/l	100
68) m/p-Xylenes	11.849	106	1063271	103.049	ug/l	99
69) o-Xylene	12.173	106	493958	53.057	ug/l	98
70) Styrene	12.184	104	883606	54.190	ug/l	99
71) Bromoform	12.355	173	139028	53.360	ug/l #	98
73) Isopropylbenzene	12.473	105	1255181	50.912	ug/l	100
74) N-amyl acetate	12.278	43	297131	55.897	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.720	83	270499	54.988	ug/l	100
76) 1,2,3-Trichloropropane	12.773	75	177823m	51.864	ug/l	
77) Bromobenzene	12.755	156	286945	52.438	ug/l	98
78) n-propylbenzene	12.814	91	1670279	52.533	ug/l	98
79) 2-Chlorotoluene	12.896	91	955368	52.226	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1096036	52.220	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	76138	57.640	ug/l	96
82) 4-Chlorotoluene	12.996	91	995560	51.975	ug/l	100
83) tert-Butylbenzene	13.214	119	890027	52.170	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1101888	52.923	ug/l	99
85) sec-Butylbenzene	13.390	105	1401965	51.291	ug/l	99
86) p-Isopropyltoluene	13.502	119	1136599	51.471	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	591069	50.838	ug/l	100
88) 1,4-Dichlorobenzene	13.584	146	582906	50.618	ug/l	100
89) n-Butylbenzene	13.831	91	1104938	50.990	ug/l	100
90) Hexachloroethane	14.102	117	234120	50.241	ug/l	98
91) 1,2-Dichlorobenzene	13.878	146	516141	51.808	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	38955	53.015	ug/l	100
93) 1,2,4-Trichlorobenzene	15.149	180	281546	50.819	ug/l	99
94) Hexachlorobutadiene	15.249	225	154829	47.310	ug/l	97
95) Naphthalene	15.384	128	558613	55.400	ug/l	99
96) 1,2,3-Trichlorobenzene	15.578	180	253683	52.455	ug/l	98

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

