

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081821\
 Data File : VD070140.D
 Acq On : 18 Aug 2021 22:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 8/19/2021 6:16:35 PM

Quant Time: Aug 19 07:35:01 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	7.973	168	461921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	860358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	828465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	386872	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	304597	56.065	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.140%	
35) Dibromofluoromethane	7.914	113	310383	55.840	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.680%	
50) Toluene-d8	10.338	98	1211105	56.019	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.040%	
62) 4-Bromofluorobenzene	12.626	95	398819	56.007	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.020%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	203464	45.320	ug/l	100
3) Chloromethane	2.209	50	321641	50.241	ug/l	97
4) Vinyl Chloride	2.344	62	341308	43.659	ug/l	99
5) Bromomethane	2.756	94	227530	53.336	ug/l	96
6) Chloroethane	2.915	64	234819	47.018	ug/l	99
7) Trichlorofluoromethane	3.268	101	418717	44.595	ug/l	97
8) Diethyl Ether	3.709	74	141514	52.665	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.091	101	275177	46.067	ug/l	99
10) Methyl Iodide	4.297	142	283768	51.957	ug/l	100
11) Tert butyl alcohol	5.215	59	75764	252.301	ug/l	99
12) 1,1-Dichloroethene	4.068	96	263817	48.073	ug/l	98
13) Acrolein	3.920	56	78220	226.136	ug/l	99
14) Allyl chloride	4.715	41	415608	50.755	ug/l	97
15) Acrylonitrile	5.415	53	323917	259.971	ug/l	99
16) Acetone	4.156	43	225839	225.651	ug/l	95
17) Carbon Disulfide	4.403	76	913945	46.063	ug/l	98
18) Methyl Acetate	4.715	43	163671	54.851	ug/l	98
19) Methyl tert-butyl Ether	5.473	73	611483	53.689	ug/l	96
20) Methylene Chloride	4.962	84	382159	57.200	ug/l	98
21) trans-1,2-Dichloroethene	5.467	96	317993	49.885	ug/l	97
22) Diisopropyl ether	6.362	45	973247	56.513	ug/l	97
23) Vinyl Acetate	6.303	43	2217085	284.066	ug/l	100
24) 1,1-Dichloroethane	6.262	63	612261	51.962	ug/l	99
25) 2-Butanone	7.209	43	359423	262.818	ug/l	97
26) 2,2-Dichloropropane	7.203	77	432538	47.147	ug/l	99
27) cis-1,2-Dichloroethene	7.209	96	365455	53.985	ug/l	99
28) Bromochloromethane	7.538	49	232293	54.176	ug/l	99
29) Tetrahydrofuran	7.561	42	243970	272.441	ug/l	99
30) Chloroform	7.708	83	583804	50.381	ug/l	94
31) Cyclohexane	7.985	56	494699	46.004	ug/l	98
32) 1,1,1-Trichloroethane	7.903	97	498958	51.527	ug/l	99
36) 1,1-Dichloropropene	8.108	75	453131	48.957	ug/l	99
37) Ethyl Acetate	7.285	43	178352	53.051	ug/l	98
38) Carbon Tetrachloride	8.091	117	406343	48.358	ug/l	94
39) Methylcyclohexane	9.350	83	476271	44.196	ug/l	98
40) Benzene	8.350	78	1374238	51.190	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	96225	52.941	ug/l	96
42) 1,2-Dichloroethane	8.420	62	353916	51.440	ug/l	98
43) Isopropyl Acetate	8.450	43	323971	51.618	ug/l	99
44) Trichloroethene	9.108	130	323978	49.957	ug/l	100
45) 1,2-Dichloropropane	9.385	63	350750	50.299	ug/l	96
46) Dibromomethane	9.473	93	179121	52.885	ug/l	99
47) Bromodichloromethane	9.655	83	465957	53.175	ug/l	97
48) Methyl methacrylate	9.455	41	143540	47.958	ug/l #	88
49) 1,4-Dioxane	9.455	88	39960	1084.125	ug/l	97
51) 4-Methyl-2-Pentanone	10.226	43	878270	269.118	ug/l	99
52) Toluene	10.397	92	855018	52.326	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	400015	51.537	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	472998	50.208	ug/l	98
55) 1,1,2-Trichloroethane	10.797	97	251810	52.473	ug/l	94
56) Ethyl methacrylate	10.655	69	298876	54.729	ug/l	99
57) 1,3-Dichloropropane	10.944	76	440062	52.970	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	823697	285.975	ug/l	99
59) 2-Hexanone	10.979	43	583492	266.973	ug/l	99
60) Dibromochloromethane	11.132	129	291532	53.031	ug/l	98
61) 1,2-Dibromoethane	11.238	107	235305	54.162	ug/l	100
64) Tetrachloroethene	10.873	164	257053	48.096	ug/l	97
65) Chlorobenzene	11.667	112	880181	50.850	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	320331	52.111	ug/l	99
67) Ethyl Benzene	11.738	91	1607475	52.524	ug/l	98
68) m/p-Xylenes	11.844	106	1242539	104.764	ug/l	98
69) o-Xylene	12.173	106	575205	53.750	ug/l	99
70) Styrene	12.185	104	1023495	54.607	ug/l	99
71) Bromoform	12.349	173	154262	51.507	ug/l #	98
73) Isopropylbenzene	12.473	105	1473355	52.225	ug/l	99
74) N-amyl acetate	12.279	43	314638	51.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	288857	51.315	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	184209m	46.951	ug/l	
77) Bromobenzene	12.749	156	328477	52.458	ug/l	98
78) n-propylbenzene	12.808	91	1894861	52.081	ug/l	100
79) 2-Chlorotoluene	12.896	91	1092580	52.195	ug/l	100
80) 1,3,5-Trimethylbenzene	12.949	105	1279063	53.255	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	74432	49.242	ug/l	98
82) 4-Chlorotoluene	12.996	91	1142002	52.102	ug/l	99
83) tert-Butylbenzene	13.214	119	1033189	52.925	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	1272287	53.402	ug/l	99
85) sec-Butylbenzene	13.391	105	1621298	51.836	ug/l	99
86) p-Isopropyltoluene	13.502	119	1316628	52.104	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	680303	51.134	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	660820	50.147	ug/l	99
89) n-Butylbenzene	13.832	91	1265389	51.031	ug/l	99
90) Hexachloroethane	14.096	117	268690	50.388	ug/l	99
91) 1,2-Dichlorobenzene	13.879	146	585856	51.390	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	40296	47.925	ug/l	93
93) 1,2,4-Trichlorobenzene	15.149	180	323508	51.030	ug/l	99
94) Hexachlorobutadiene	15.249	225	187357	50.030	ug/l	99
95) Naphthalene	15.385	128	621886	53.898	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	289399	52.294	ug/l	99

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

