

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071321\
 Data File : VD069667.D
 Acq On : 13 Jul 2021 13:02
 Operator : VA/SY
 Sample : VSTDIC100
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/15/2021 5:31:18 PM

Quant Time: Jul 14 05:39:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 05:37:13 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	685299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1217725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1160497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	530695	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	817097	96.051	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	192.100%#
35) Dibromofluoromethane	7.914	113	796381	98.287	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	196.580%#
50) Toluene-d8	10.338	98	3190302	101.427	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	202.860%#
62) 4-Bromofluorobenzene	12.626	95	1113364	105.024	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	210.040%#

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.985	85	749325	109.303	ug/l	96
3) Chloromethane	2.209	50	1014487	105.024	ug/l	99
4) Vinyl Chloride	2.344	62	1086761	104.279	ug/l	99
5) Bromomethane	2.750	94	668173	96.183	ug/l	94
6) Chloroethane	2.909	64	683063	100.760	ug/l	99
7) Trichlorofluoromethane	3.267	101	1307119	98.106	ug/l	97
8) Diethyl Ether	3.709	74	425548	109.510	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.091	101	809380	98.131	ug/l	99
10) Methyl Iodide	4.297	142	937497	122.379	ug/l	100
11) Tert butyl alcohol	5.220	59	303102	287.098	ug/l	97
12) 1,1-Dichloroethene	4.061	96	794598	104.394	ug/l	94
13) Acrolein	3.920	56	306732	510.434	ug/l	96
14) Allyl chloride	4.708	41	1304780	110.944	ug/l	100
15) Acrylonitrile	5.420	53	990112	562.458	ug/l	100
16) Acetone	4.156	43	783012	488.867	ug/l	100
17) Carbon Disulfide	4.409	76	2802851	109.624	ug/l	100
18) Methyl Acetate	4.714	43	423555	88.345	ug/l	99
19) Methyl tert-butyl Ether	5.473	73	1884915	117.289	ug/l	100
20) Methylene Chloride	4.961	84	1046216	72.743	ug/l	99
21) trans-1,2-Dichloroethene	5.467	96	929883	104.896	ug/l	99
22) Diisopropyl ether	6.361	45	2759167	114.468	ug/l	100
23) Vinyl Acetate	6.303	43	7602943	643.012	ug/l	98
24) 1,1-Dichloroethane	6.261	63	1691738	100.954	ug/l	99
25) 2-Butanone	7.208	43	1147690	552.578	ug/l	99
26) 2,2-Dichloropropane	7.202	77	1358236	100.607	ug/l	98
27) cis-1,2-Dichloroethene	7.208	96	1022890	106.318	ug/l	99
28) Bromochloromethane	7.544	49	682129	105.734	ug/l	100
29) Tetrahydrofuran	7.561	42	755460	592.044	ug/l	99
30) Chloroform	7.708	83	1652716	98.761	ug/l	100
31) Cyclohexane	7.985	56	1547241	107.494	ug/l	98
32) 1,1,1-Trichloroethane	7.902	97	1397529	98.828	ug/l	99
36) 1,1-Dichloropropene	8.108	75	1313759	104.030	ug/l	100
37) Ethyl Acetate	7.291	43	527865	109.144	ug/l	100
38) Carbon Tetrachloride	8.097	117	1182163	102.413	ug/l	96
39) Methylcyclohexane	9.349	83	1608736	118.628	ug/l	96
40) Benzene	8.349	78	3771202	103.429	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.520	41	279608	116.399	ug/l	98
42) 1,2-Dichloroethane	8.426	62	1007546	103.160	ug/l	99
43) Isopropyl Acetate	8.449	43	976991	110.333	ug/l	98
44) Trichloroethene	9.108	130	899190	101.885	ug/l	98
45) 1,2-Dichloropropane	9.385	63	980903	103.343	ug/l	97
46) Dibromomethane	9.473	93	487160	103.320	ug/l	100
47) Bromodichloromethane	9.661	83	1259907	102.039	ug/l	100
48) Methyl methacrylate	9.455	41	498514	120.205	ug/l	99
49) 1,4-Dioxane	9.461	88	119463	2458.016	ug/l	94
51) 4-Methyl-2-Pentanone	10.226	43	2629015	571.991	ug/l	99
52) Toluene	10.402	92	2351889	107.390	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	1136564	108.876	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	1370043	107.488	ug/l	98
55) 1,1,2-Trichloroethane	10.796	97	675672	103.363	ug/l	98
56) Ethyl methacrylate	10.655	69	921163	122.464	ug/l	99
57) 1,3-Dichloropropane	10.943	76	1214924	105.415	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.938	63	2076219	616.698	ug/l	100
59) 2-Hexanone	10.979	43	1810966	590.439	ug/l	99
60) Dibromochloromethane	11.138	129	785308	102.115	ug/l	100
61) 1,2-Dibromoethane	11.243	107	641599	105.075	ug/l	100
64) Tetrachloroethene	10.873	164	699807	98.572	ug/l	98
65) Chlorobenzene	11.667	112	2382946	101.786	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.738	131	848203	100.657	ug/l	99
67) Ethyl Benzene	11.738	91	4494544	108.617	ug/l	99
68) m/p-Xylenes	11.849	106	3394993	217.037	ug/l	99
69) o-Xylene	12.173	106	1617310	113.727	ug/l	99
70) Styrene	12.190	104	2790017	111.856	ug/l	100
71) Bromoform	12.355	173	426938	104.117	ug/l	99
73) Isopropylbenzene	12.473	105	4152023	109.856	ug/l	100
74) N-amyl acetate	12.279	43	959724	115.978	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.720	83	782360	102.384	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	547696m	113.575	ug/l	
77) Bromobenzene	12.755	156	878701	104.094	ug/l	97
78) n-propylbenzene	12.814	91	5260539	109.090	ug/l	100
79) 2-Chlorotoluene	12.896	91	2998544	105.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	3531172	110.043	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.520	75	221803	114.156	ug/l	99
82) 4-Chlorotoluene	12.996	91	3112047	104.465	ug/l	99
83) tert-Butylbenzene	13.214	119	2913499	110.816	ug/l	99
84) 1,2,4-Trimethylbenzene	13.261	105	3505794	109.899	ug/l	100
85) sec-Butylbenzene	13.390	105	4508173	109.221	ug/l	100
86) p-Isopropyltoluene	13.508	119	3710081	110.184	ug/l	100
87) 1,3-Dichlorobenzene	13.508	146	1796397	102.767	ug/l	100
88) 1,4-Dichlorobenzene	13.585	146	1751741	99.618	ug/l	99
89) n-Butylbenzene	13.832	91	3677162	110.256	ug/l	98
90) Hexachloroethane	14.102	117	709971	102.993	ug/l	100
91) 1,2-Dichlorobenzene	13.879	146	1556138	102.582	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.490	75	118956	101.815	ug/l	96
93) 1,2,4-Trichlorobenzene	15.149	180	914576	108.086	ug/l	98
94) Hexachlorobutadiene	15.255	225	514179	101.807	ug/l	98
95) Naphthalene	15.384	128	1860133	121.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.579	180	798471	110.304	ug/l	98

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

