

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070821\
 Data File : VY005387.D
 Acq On : 08 Jul 2021 15:09
 Operator : SY/MD
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 7/9/2021 5:44:42 PM

Quant Time: Jul 09 06:45:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070821S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 09 06:42:04 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	329484	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	466481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	423722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	220288	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	278424	100.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 201.820%#	
35) Dibromofluoromethane	7.722	113	267473	98.718	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 197.440%#	
50) Toluene-d8	10.185	98	1159921	106.361	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 212.720%#	
62) 4-Bromofluorobenzene	12.483	95	379554	104.011	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 208.020%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	212231	97.586	ug/l	97
3) Chloromethane	2.113	50	255614	88.482	ug/l	100
4) Vinyl Chloride	2.253	62	332164	100.344	ug/l	98
5) Bromomethane	2.637	94	219256	102.376	ug/l	96
6) Chloroethane	2.790	64	214059	98.055	ug/l	97
7) Trichlorofluoromethane	3.125	101	476029	106.480	ug/l	99
8) Diethyl Ether	3.534	74	152597	91.907	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	271139	100.381	ug/l	100
10) Methyl Iodide	4.094	142	342087	90.779	ug/l	99
11) Tert butyl alcohol	4.972	59	125769	240.291	ug/l	99
12) 1,1-Dichloroethene	3.875	96	275044	100.563	ug/l	99
13) Acrolein	3.735	56	123828	764.246	ug/l	100
14) Allyl chloride	4.485	41	406020	102.581	ug/l	99
15) Acrylonitrile	5.174	53	334756	434.074	ug/l	99
16) Acetone	3.954	43	248352	387.483	ug/l	99
17) Carbon Disulfide	4.198	76	796140	93.829	ug/l	99
18) Methyl Acetate	4.485	43	140146	82.905	ug/l	99
19) Methyl tert-butyl Ether	5.228	73	725174	96.058	ug/l	100
20) Methylene Chloride	4.722	84	310142	67.080	ug/l	99
21) trans-1,2-Dichloroethene	5.222	96	311081	101.948	ug/l	96
22) Diisopropyl ether	6.125	45	812749	98.660	ug/l	96
23) Vinyl Acetate	6.070	43	2483274	466.720	ug/l	99
24) 1,1-Dichloroethane	6.021	63	513286	100.841	ug/l	100
25) 2-Butanone	6.996	43	406404	436.570	ug/l	98
26) 2,2-Dichloropropane	6.990	77	477231	106.362	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	350296	101.590	ug/l	100
28) Bromochloromethane	7.338	49	201785	99.869	ug/l	100
29) Tetrahydrofuran	7.356	42	271314	443.125	ug/l	99
30) Chloroform	7.515	83	539732	103.160	ug/l	99
31) Cyclohexane	7.789	56	479153	97.815	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	514369	110.124	ug/l	99
36) 1,1-Dichloropropene	7.923	75	427783	103.878	ug/l	99
37) Ethyl Acetate	7.082	43	181834	86.281	ug/l	98
38) Carbon Tetrachloride	7.905	117	483366	110.904	ug/l	96
39) Methylcyclohexane	9.185	83	558079	105.287	ug/l	97
40) Benzene	8.167	78	1244306	102.429	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	107627m	94.688	ug/l	
42) 1,2-Dichloroethane	8.240	62	336845	100.596	ug/l	100
43) Isopropyl Acetate	8.277	43	358693	92.080	ug/l	100
44) Trichloroethene	8.941	130	354348	103.394	ug/l	98
45) 1,2-Dichloropropane	9.222	63	289092	99.530	ug/l	99
46) Dibromomethane	9.307	93	155430	92.386	ug/l	99
47) Bromodichloromethane	9.502	83	408365	102.423	ug/l	100
48) Methyl methacrylate	9.295	41	168942	97.570	ug/l	98
49) 1,4-Dioxane	9.301	88	44520	1947.877	ug/l	97
51) 4-Methyl-2-Pentanone	10.075	43	964712	469.277	ug/l	100
52) Toluene	10.246	92	823274	105.455	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	443747	101.279	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	499398	101.847	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	235362	95.095	ug/l	99
56) Ethyl methacrylate	10.514	69	333199	99.373	ug/l	99
57) 1,3-Dichloropropane	10.794	76	403336	97.101	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	667916	456.639	ug/l	100
59) 2-Hexanone	10.837	43	678277	477.983	ug/l	99
60) Dibromochloromethane	10.990	129	298487	98.496	ug/l	99
61) 1,2-Dibromoethane	11.093	107	219947	91.969	ug/l	99
64) Tetrachloroethene	10.721	164	320270	102.944	ug/l	99
65) Chlorobenzene	11.520	112	882310	104.415	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	331177	105.470	ug/l	99
67) Ethyl Benzene	11.593	91	1629299	111.458	ug/l	99
68) m/p-Xylenes	11.703	106	1289837	220.647	ug/l	100
69) o-Xylene	12.032	106	616494	111.227	ug/l	98
70) Styrene	12.044	104	1039604	111.248	ug/l	100
71) Bromoform	12.209	173	199584	94.531	ug/l #	98
73) Isopropylbenzene	12.331	105	1614917	112.284	ug/l	100
74) N-amyl acetate	12.148	43	354738	104.121	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	264947	94.063	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	178714m	91.558	ug/l	
77) Bromobenzene	12.611	156	380976	101.036	ug/l	99
78) n-propylbenzene	12.672	91	1919389	113.097	ug/l	100
79) 2-Chlorotoluene	12.758	91	1058215	110.609	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1337890	112.241	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	100101	95.654	ug/l	98
82) 4-Chlorotoluene	12.855	91	1087638	109.818	ug/l	100
83) tert-Butylbenzene	13.075	119	1196562	113.188	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	1332426	112.817	ug/l	100
85) sec-Butylbenzene	13.257	105	1763207	113.986	ug/l	100
86) p-Isopropyltoluene	13.373	119	1537769	115.083	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	764682	105.218	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	738915	102.869	ug/l	99
89) n-Butylbenzene	13.696	91	1361805	115.606	ug/l	100
90) Hexachloroethane	13.965	117	266993	110.797	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	655578	101.857	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	44342	93.722	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	445195	99.165	ug/l	100
94) Hexachlorobutadiene	15.111	225	285517	101.569	ug/l	99
95) Naphthalene	15.239	128	814428	97.863	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	379239	96.349	ug/l	100

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

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