

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061521\
 Data File : VY005142.D
 Acq On : 15 Jun 2021 11:26
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/16/2021 12:55:27 PM

Quant Time: Jun 16 04:14:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061521S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 16 04:12:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	186122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	285875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	261623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133657	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	39436	21.914	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	43.820%#
35) Dibromofluoromethane	7.728	113	32300	22.500	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	45.000%#
50) Toluene-d8	10.185	98	133755	21.962	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	43.920%#
62) 4-Bromofluorobenzene	12.483	95	43873	21.419	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	42.840%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	43756	21.279	ug/l	97
3) Chloromethane	2.119	50	44363	20.923	ug/l	95
4) Vinyl Chloride	2.259	62	41742	20.506	ug/l	100
5) Bromomethane	2.650	94	23412	20.153	ug/l	96
6) Chloroethane	2.796	64	23858	20.620	ug/l	99
7) Trichlorofluoromethane	3.131	101	70335	20.672	ug/l	97
8) Diethyl Ether	3.540	74	22734	20.550	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	38220	20.749	ug/l	100
10) Methyl Iodide	4.095	142	41285	19.941	ug/l	100
11) Tert butyl alcohol	4.979	59	20450	112.860	ug/l	98
12) 1,1-Dichloroethene	3.875	96	36995	20.500	ug/l	95
13) Acrolein	3.735	56	20786	118.628	ug/l	96
14) Allyl chloride	4.491	41	51994	20.674	ug/l	100
15) Acrylonitrile	5.186	53	54247	109.274	ug/l	99
16) Acetone	3.960	43	40510	110.673	ug/l	94
17) Carbon Disulfide	4.204	76	113278	21.070	ug/l	97
18) Methyl Acetate	4.485	43	23455	21.832	ug/l	98
19) Methyl tert-butyl Ether	5.241	73	104542	21.189	ug/l	97
20) Methylene Chloride	4.729	84	49751	19.888	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	39341	20.226	ug/l	94
22) Diisopropyl ether	6.131	45	106725	20.968	ug/l	99
23) Vinyl Acetate	6.076	43	361950	107.804	ug/l	99
24) 1,1-Dichloroethane	6.027	63	66290	20.693	ug/l	99
25) 2-Butanone	6.996	43	62204	111.710	ug/l	97
26) 2,2-Dichloropropane	6.996	77	63838	20.839	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	43091	20.425	ug/l	99
28) Bromochloromethane	7.350	49	26156	21.757	ug/l	96
29) Tetrahydrofuran	7.356	42	42210	111.604	ug/l	99
30) Chloroform	7.521	83	71303	20.853	ug/l	96
31) Cyclohexane	7.789	56	60694	19.827	ug/l #	89
32) 1,1,1-Trichloroethane	7.710	97	67346	20.431	ug/l	100
36) 1,1-Dichloropropene	7.929	75	53294	20.358	ug/l	99
37) Ethyl Acetate	7.088	43	28759	21.558	ug/l	98
38) Carbon Tetrachloride	7.911	117	56562	20.350	ug/l	99
39) Methylcyclohexane	9.185	83	65134	20.073	ug/l	96
40) Benzene	8.167	78	154372	20.702	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	16607	21.916	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	49356	21.231	ug/l	100
43) Isopropyl Acetate	8.283	43	53431	21.858	ug/l	99
44) Trichloroethene	8.947	130	45043	20.576	ug/l	90
45) 1,2-Dichloropropane	9.222	63	36006	21.096	ug/l	98
46) Dibromomethane	9.313	93	22304	20.963	ug/l	97
47) Bromodichloromethane	9.502	83	53404	20.841	ug/l	98
48) Methyl methacrylate	9.301	41	23103	21.109	ug/l	99
49) 1,4-Dioxane	9.307	88	6382	464.444	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	138115	110.487	ug/l	100
52) Toluene	10.246	92	98502	20.758	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	58648	21.398	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	63874	21.054	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	31082	21.031	ug/l	96
56) Ethyl methacrylate	10.514	69	42685	21.377	ug/l	99
57) 1,3-Dichloropropane	10.795	76	52081	20.844	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	100445	114.487	ug/l	99
59) 2-Hexanone	10.837	43	96684	111.839	ug/l	100
60) Dibromochloromethane	10.990	129	39180	21.339	ug/l	97
61) 1,2-Dibromoethane	11.093	107	30650	21.240	ug/l	99
64) Tetrachloroethene	10.721	164	48266	20.676	ug/l	99
65) Chlorobenzene	11.520	112	105392	20.418	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	39679	20.731	ug/l	98
67) Ethyl Benzene	11.593	91	187774	20.574	ug/l	96
68) m/p-Xylenes	11.703	106	148453	41.376	ug/l	99
69) o-Xylene	12.032	106	68884	20.414	ug/l	98
70) Styrene	12.050	104	118269	20.712	ug/l	99
71) Bromoform	12.209	173	24434	20.838	ug/l #	97
73) Isopropylbenzene	12.331	105	187455	20.061	ug/l	100
74) N-amyl acetate	12.148	43	45758	21.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	34298	21.136	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	25856m	25.044	ug/l	
77) Bromobenzene	12.611	156	44567	20.047	ug/l	99
78) n-propylbenzene	12.672	91	222369	19.909	ug/l	100
79) 2-Chlorotoluene	12.758	91	126065	20.188	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	162688	20.386	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	13561	21.146	ug/l	96
82) 4-Chlorotoluene	12.855	91	130881	20.274	ug/l	100
83) tert-Butylbenzene	13.081	119	139776	20.014	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	160567	20.366	ug/l	99
85) sec-Butylbenzene	13.258	105	202166	20.096	ug/l	100
86) p-Isopropyltoluene	13.373	119	172582	19.993	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	88438	20.377	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	87741	20.221	ug/l	98
89) n-Butylbenzene	13.696	91	156643	19.938	ug/l	99
90) Hexachloroethane	13.965	117	27385	19.464	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	80238	20.556	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6662	20.608	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	50035	19.973	ug/l	98
94) Hexachlorobutadiene	15.117	225	28494	19.684	ug/l	98
95) Naphthalene	15.239	128	108319	20.540	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	44749	19.942	ug/l	100

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

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