

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062221\
 Data File : VY005192.D
 Acq On : 22 Jun 2021 12:36
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 6/23/2021 5:30:25 PM

Quant Time: Jun 23 07:04:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:02:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	336623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	474245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	433101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	225475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	28004	10.025	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.040%#
35) Dibromofluoromethane	7.728	113	27050	9.671	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	19.340%#
50) Toluene-d8	10.185	98	107997	9.656	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	19.320%#
62) 4-Bromofluorobenzene	12.483	95	36974	9.920	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	19.840%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	24000	10.843	ug/l	97
3) Chloromethane	2.119	50	33298	11.295	ug/l	98
4) Vinyl Chloride	2.253	62	36945	10.961	ug/l	97
5) Bromomethane	2.656	94	23912	11.185	ug/l	97
6) Chloroethane	2.796	64	26053	11.820	ug/l	92
7) Trichlorofluoromethane	3.131	101	48293	10.718	ug/l	95
8) Diethyl Ether	3.534	74	17791	10.554	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.912	101	29266	10.609	ug/l	100
10) Methyl Iodide	4.101	142	41171	10.492	ug/l	99
11) Tert butyl alcohol	4.948	59	34168	64.381	ug/l #	85
12) 1,1-Dichloroethene	3.881	96	29819	10.699	ug/l	99
13) Acrolein	3.741	56	7154	52.119	ug/l	86
14) Allyl chloride	4.491	41	43618	10.895	ug/l	99
15) Acrylonitrile	5.180	53	43167	55.128	ug/l	99
16) Acetone	3.960	43	35037	54.293	ug/l	99
17) Carbon Disulfide	4.198	76	94805	10.815	ug/l	99
18) Methyl Acetate	4.491	43	19267	11.234	ug/l	97
19) Methyl tert-butyl Ether	5.235	73	80595	10.577	ug/l	98
20) Methylene Chloride	4.729	84	57721	12.639	ug/l	97
21) trans-1,2-Dichloroethene	5.235	96	32615	10.509	ug/l	98
22) Diisopropyl ether	6.131	45	91005	10.935	ug/l	99
23) Vinyl Acetate	6.070	43	292610	54.331	ug/l	99
24) 1,1-Dichloroethane	6.027	63	54625	10.576	ug/l	99
25) 2-Butanone	6.996	43	51217	54.429	ug/l	93
26) 2,2-Dichloropropane	6.990	77	48058	10.670	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	36764	10.533	ug/l	98
28) Bromochloromethane	7.338	49	21128	10.224	ug/l	97
29) Tetrahydrofuran	7.356	42	33902	54.759	ug/l	98
30) Chloroform	7.515	83	56802	10.807	ug/l	95
31) Cyclohexane	7.795	56	54113	10.850	ug/l #	92
32) 1,1,1-Trichloroethane	7.710	97	49382	10.534	ug/l	99
36) 1,1-Dichloropropene	7.923	75	44078	10.555	ug/l	99
37) Ethyl Acetate	7.082	43	23878	11.088	ug/l	99
38) Carbon Tetrachloride	7.911	117	45380	10.381	ug/l	98
39) Methylcyclohexane	9.185	83	55325	10.237	ug/l	96
40) Benzene	8.167	78	131040	10.642	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	11790m	9.582	ug/l	
42) 1,2-Dichloroethane	8.246	62	36422	10.890	ug/l	97
43) Isopropyl Acetate	8.283	43	43017	10.868	ug/l	99
44) Trichloroethene	8.947	130	36603	10.514	ug/l	99
45) 1,2-Dichloropropane	9.222	63	31760	10.779	ug/l	99
46) Dibromomethane	9.307	93	18262	10.657	ug/l	99
47) Bromodichloromethane	9.502	83	42790	10.650	ug/l	99
48) Methyl methacrylate	9.301	41	18645	10.737	ug/l	96
49) 1,4-Dioxane	9.301	88	4733	210.036	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	113628	54.845	ug/l	99
52) Toluene	10.246	92	82790	10.519	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	46261	10.518	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	52434	10.574	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	26748	10.689	ug/l	98
56) Ethyl methacrylate	10.514	69	35746	10.523	ug/l	97
57) 1,3-Dichloropropane	10.795	76	44875	10.707	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	72638	48.481	ug/l	99
59) 2-Hexanone	10.837	43	77685	54.517	ug/l	99
60) Dibromochloromethane	10.990	129	32258	10.523	ug/l	98
61) 1,2-Dibromoethane	11.093	107	25658	10.540	ug/l	98
64) Tetrachloroethene	10.721	164	33612	10.517	ug/l	99
65) Chlorobenzene	11.520	112	90373	10.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	33125	10.397	ug/l	100
67) Ethyl Benzene	11.593	91	154192	10.417	ug/l	99
68) m/p-Xylenes	11.703	106	123807	20.876	ug/l	99
69) o-Xylene	12.032	106	58259	10.374	ug/l	98
70) Styrene	12.044	104	97498	10.326	ug/l	100
71) Bromoform	12.209	173	22470	10.364	ug/l #	99
73) Isopropylbenzene	12.331	105	150646	10.301	ug/l	99
74) N-amyl acetate	12.148	43	36738	10.615	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	30796	10.687	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	21268m	10.936	ug/l	
77) Bromobenzene	12.611	156	40572	10.455	ug/l	99
78) n-propylbenzene	12.672	91	179680	10.420	ug/l	99
79) 2-Chlorotoluene	12.758	91	101820	10.467	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	125982	10.413	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	11218	10.467	ug/l	97
82) 4-Chlorotoluene	12.855	91	105276	10.461	ug/l	99
83) tert-Butylbenzene	13.075	119	110010	10.200	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	124703	10.426	ug/l	99
85) sec-Butylbenzene	13.258	105	163002	10.388	ug/l	100
86) p-Isopropyltoluene	13.373	119	139235	10.284	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	76847	10.372	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	76444	10.434	ug/l	98
89) n-Butylbenzene	13.696	91	123339	10.371	ug/l	99
90) Hexachloroethane	13.965	117	24856	10.163	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	69476	10.578	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	5210	10.854	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	47231	10.203	ug/l	99
94) Hexachlorobutadiene	15.117	225	29720	10.259	ug/l	100
95) Naphthalene	15.239	128	87450	10.235	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	42387	10.397	ug/l	99

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

