

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070921\
 Data File : VY005392.D
 Acq On : 09 Jul 2021 10:57
 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
 7/12/2021 5:46:27 PM

Quant Time: Jul 10 07:31:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 10 07:30:20 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	327618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	471943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	433375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	227963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	31756	10.346	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	20.700%#
35) Dibromofluoromethane	7.722	113	27776	10.028	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	20.060%#
50) Toluene-d8	10.179	98	120061	10.184	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	20.360%#
62) 4-Bromofluorobenzene	12.483	95	40223	10.121	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	20.240%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	31297	10.722	ug/l	98
3) Chloromethane	2.113	50	31348	10.555	ug/l	99
4) Vinyl Chloride	2.253	62	39459	10.742	ug/l	98
5) Bromomethane	2.644	94	29329	10.731	ug/l	99
6) Chloroethane	2.796	64	24149	10.481	ug/l	100
7) Trichlorofluoromethane	3.125	101	56814	10.504	ug/l	99
8) Diethyl Ether	3.534	74	19603	10.450	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.900	101	31904	10.490	ug/l	98
10) Methyl Iodide	4.095	142	35527	9.598	ug/l	99
11) Tert butyl alcohol	4.966	59	27772	63.335	ug/l #	87
12) 1,1-Dichloroethene	3.875	96	32247	10.325	ug/l	96
13) Acrolein	3.735	56	12953	56.346	ug/l	99
14) Allyl chloride	4.485	41	44536	10.250	ug/l	99
15) Acrylonitrile	5.174	53	43390	50.826	ug/l	99
16) Acetone	3.954	43	34011	51.753	ug/l	98
17) Carbon Disulfide	4.198	76	101715	10.433	ug/l	99
18) Methyl Acetate	4.485	43	18718	10.277	ug/l	99
19) Methyl tert-butyl Ether	5.229	73	84280	9.970	ug/l	96
20) Methylene Chloride	4.723	84	50696	11.137	ug/l	98
21) trans-1,2-Dichloroethene	5.222	96	36148	10.385	ug/l	98
22) Diisopropyl ether	6.125	45	90625	10.470	ug/l	99
23) Vinyl Acetate	6.070	43	290826	50.779	ug/l	99
24) 1,1-Dichloroethane	6.027	63	55996	10.249	ug/l	99
25) 2-Butanone	6.997	43	51863	50.083	ug/l	96
26) 2,2-Dichloropropane	6.990	77	53005	10.454	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	39684	10.295	ug/l	98
28) Bromochloromethane	7.338	49	20878	10.181	ug/l	97
29) Tetrahydrofuran	7.356	42	34637	50.424	ug/l	99
30) Chloroform	7.515	83	61292	10.466	ug/l	99
31) Cyclohexane	7.789	56	57841	10.633	ug/l #	90
32) 1,1,1-Trichloroethane	7.704	97	55674	10.269	ug/l	98
36) 1,1-Dichloropropene	7.923	75	47754	10.365	ug/l	100
37) Ethyl Acetate	7.082	43	24416	10.539	ug/l	98
38) Carbon Tetrachloride	7.905	117	53501	10.387	ug/l	95
39) Methylcyclohexane	9.185	83	61542	10.151	ug/l	97
40) Benzene	8.161	78	138532	10.258	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	13419	9.888	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	40637	10.420	ug/l	100
43) Isopropyl Acetate	8.277	43	41895	9.859	ug/l	98
44) Trichloroethene	8.941	130	41681	10.488	ug/l	96
45) 1,2-Dichloropropane	9.216	63	32932	10.438	ug/l	97
46) Dibromomethane	9.307	93	19271	10.425	ug/l	99
47) Bromodichloromethane	9.502	83	46147	10.309	ug/l	99
48) Methyl methacrylate	9.295	41	18639	9.488	ug/l	97
49) 1,4-Dioxane	9.301	88	5939	205.745	ug/l	98
51) 4-Methyl-2-Pentanone	10.075	43	116242	49.502	ug/l	100
52) Toluene	10.246	92	90528	10.185	ug/l	99
53) t-1,3-Dichloropropene	10.472	75	50761	10.154	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	55863	10.138	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	27855	10.155	ug/l	98
56) Ethyl methacrylate	10.514	69	36722	9.632	ug/l	98
57) 1,3-Dichloropropane	10.795	76	46747	10.095	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	85735	52.597	ug/l	100
59) 2-Hexanone	10.837	43	79803	48.659	ug/l	99
60) Dibromochloromethane	10.990	129	34146	9.963	ug/l	98
61) 1,2-Dibromoethane	11.093	107	26247	9.944	ug/l	97
64) Tetrachloroethene	10.721	164	43372	11.067	ug/l	99
65) Chlorobenzene	11.520	112	99412	10.308	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	36302	10.121	ug/l	98
67) Ethyl Benzene	11.593	91	172361	10.198	ug/l	99
68) m/p-Xylenes	11.703	106	135882	20.095	ug/l	98
69) o-Xylene	12.032	106	64229	9.986	ug/l	100
70) Styrene	12.044	104	107910	9.899	ug/l	99
71) Bromoform	12.209	173	23325	9.837	ug/l #	99
73) Isopropylbenzene	12.331	105	170348	10.268	ug/l	100
74) N-amyl acetate	12.148	43	38214	9.721	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	30505	9.908	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	23170m	10.901	ug/l	
77) Bromobenzene	12.611	156	42175	10.077	ug/l	97
78) n-propylbenzene	12.672	91	200695	10.278	ug/l	100
79) 2-Chlorotoluene	12.758	91	112758	10.277	ug/l	100
80) 1,3,5-Trimethylbenzene	12.813	105	141205	10.203	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	12009	10.126	ug/l	99
82) 4-Chlorotoluene	12.855	91	116794	10.241	ug/l	100
83) tert-Butylbenzene	13.075	119	128060	10.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	141316	10.220	ug/l	99
85) sec-Butylbenzene	13.258	105	185822	10.336	ug/l	100
86) p-Isopropyltoluene	13.373	119	157962	10.120	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	84507	10.184	ug/l	100
88) 1,4-Dichlorobenzene	13.447	146	84698	10.327	ug/l	98
89) n-Butylbenzene	13.697	91	140073	10.124	ug/l	99
90) Hexachloroethane	13.965	117	28976	10.369	ug/l	97
91) 1,2-Dichlorobenzene	13.739	146	75891	10.346	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	6077	10.436	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	48547	9.648	ug/l	99
94) Hexachlorobutadiene	15.117	225	31333	9.970	ug/l	99
95) Naphthalene	15.239	128	92375	9.307	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	42329	9.523	ug/l	99

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

