

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091421\
 Data File : VY005998.D
 Acq On : 14 Sep 2021 10:42
 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
 9/15/2021 5:41:01 PM

Quant Time: Sep 15 04:27:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 04:26:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	139988	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	215708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	199386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	100998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	19011	9.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	19.580%#
35) Dibromofluoromethane	7.722	113	12364	9.281	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	18.560%#
50) Toluene-d8	10.185	98	52631	9.277	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	18.560%#
62) 4-Bromofluorobenzene	12.483	95	18544	9.667	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	19.340%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	14158	9.624	ug/l	100
3) Chloromethane	2.119	50	17172	9.344	ug/l	93
4) Vinyl Chloride	2.259	62	20023	9.622	ug/l	99
5) Bromomethane	2.656	94	13732	9.913	ug/l	97
6) Chloroethane	2.802	64	12073	9.531	ug/l	99
7) Trichlorofluoromethane	3.131	101	26106	9.468	ug/l	87
8) Diethyl Ether	3.534	74	8302	9.052	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.905	101	12963	9.632	ug/l	98
10) Methyl Iodide	4.101	142	12394	8.620	ug/l	99
11) Tert butyl alcohol	4.942	59	30534	87.170	ug/l #	89
12) 1,1-Dichloroethene	3.875	96	13113	9.411	ug/l	94
13) Acrolein	3.729	56	6081	51.661	ug/l	98
14) Allyl chloride	4.491	41	28186	9.410	ug/l	98
15) Acrylonitrile	5.167	53	24966	48.699	ug/l	97
16) Acetone	3.948	43	26619	51.017	ug/l	95
17) Carbon Disulfide	4.198	76	45167	9.641	ug/l	95
18) Methyl Acetate	4.485	43	13224	9.945	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	43134	9.506	ug/l	92
20) Methylene Chloride	4.722	84	22438	11.637	ug/l	97
21) trans-1,2-Dichloroethene	5.228	96	14778	9.392	ug/l	97
22) Diisopropyl ether	6.131	45	55154	9.493	ug/l	94
23) Vinyl Acetate	6.070	43	175893	47.859	ug/l	99
24) 1,1-Dichloroethane	6.021	63	28167	9.494	ug/l	99
25) 2-Butanone	6.990	43	36087	49.724	ug/l	94
26) 2,2-Dichloropropane	6.984	77	27664	9.797	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	16393	9.305	ug/l	93
28) Bromochloromethane	7.344	49	11524	8.899	ug/l	99
29) Tetrahydrofuran	7.356	42	22854	49.531	ug/l	98
30) Chloroform	7.515	83	28629	9.586	ug/l	98
31) Cyclohexane	7.789	56	30443	9.746	ug/l #	94
32) 1,1,1-Trichloroethane	7.710	97	26251	9.388	ug/l	99
36) 1,1-Dichloropropene	7.923	75	21658	9.314	ug/l	99
37) Ethyl Acetate	7.082	43	16542	10.195	ug/l	97
38) Carbon Tetrachloride	7.905	117	23954	9.342	ug/l	98
39) Methylcyclohexane	9.185	83	26189	9.059	ug/l	99
40) Benzene	8.167	78	62803	9.423	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	9207m	9.096	ug/l	
42) 1,2-Dichloroethane	8.246	62	23013	9.659	ug/l	98
43) Isopropyl Acetate	8.277	43	28982	9.562	ug/l	99
44) Trichloroethene	8.941	130	15722	9.384	ug/l	95
45) 1,2-Dichloropropane	9.222	63	15865	9.584	ug/l	97
46) Dibromomethane	9.307	93	8533	9.595	ug/l	97
47) Bromodichloromethane	9.502	83	22159	9.509	ug/l	95
48) Methyl methacrylate	9.301	41	13400	9.539	ug/l	97
49) 1,4-Dioxane	9.301	88	2583	231.301	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	79941	49.894	ug/l	99
52) Toluene	10.246	92	38370	9.291	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	23961	9.374	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	25699	9.378	ug/l	94
55) 1,1,2-Trichloroethane	10.648	97	11720	9.422	ug/l	96
56) Ethyl methacrylate	10.514	69	19411	9.832	ug/l	95
57) 1,3-Dichloropropane	10.794	76	22273	9.784	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	50710	49.476	ug/l	99
59) 2-Hexanone	10.837	43	54597	49.236	ug/l	100
60) Dibromochloromethane	10.990	129	14469	9.406	ug/l	98
61) 1,2-Dibromoethane	11.087	107	11234	9.657	ug/l	98
64) Tetrachloroethene	10.721	164	15947	9.677	ug/l	96
65) Chlorobenzene	11.520	112	40683	9.541	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	14876	9.357	ug/l	99
67) Ethyl Benzene	11.593	91	74991	9.238	ug/l	96
68) m/p-Xylenes	11.703	106	57085	18.607	ug/l	100
69) o-Xylene	12.032	106	27263	9.399	ug/l	98
70) Styrene	12.044	104	45867	9.200	ug/l	99
71) Bromoform	12.209	173	9832	9.800	ug/l #	99
73) Isopropylbenzene	12.331	105	71569	9.248	ug/l	99
74) N-amyl acetate	12.142	43	26061	9.683	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	13799	9.481	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	11948m	13.258	ug/l	
77) Bromobenzene	12.611	156	17553	9.648	ug/l	98
78) n-propylbenzene	12.672	91	88460	9.251	ug/l	99
79) 2-Chlorotoluene	12.758	91	49739	9.363	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	61664	9.367	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	5405	9.315	ug/l	94
82) 4-Chlorotoluene	12.855	91	52176	9.501	ug/l	99
83) tert-Butylbenzene	13.075	119	51289	9.161	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	60488	9.297	ug/l	99
85) sec-Butylbenzene	13.251	105	78398	9.293	ug/l	98
86) p-Isopropyltoluene	13.373	119	66155	9.254	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	33387	9.319	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	33905	9.504	ug/l	97
89) n-Butylbenzene	13.696	91	62693	9.287	ug/l	99
90) Hexachloroethane	13.959	117	11996	9.200	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	29878	9.417	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2928	9.807	ug/l	98
93) 1,2,4-Trichlorobenzene	15.007	180	18850	9.140	ug/l	100
94) Hexachlorobutadiene	15.111	225	12519	9.481	ug/l	98
95) Naphthalene	15.239	128	37596	9.067	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	16643	9.230	ug/l	99

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

