

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072221\
 Data File : VY005407.D
 Acq On : 22 Jul 2021 10:28
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 7/23/2021 5:47:45 PM

Quant Time: Jul 23 05:46:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 05:45:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	287873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	425555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	388196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	204293	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	15410	5.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	10.020%#
35) Dibromofluoromethane	7.728	113	11864	4.828	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	9.660%#
50) Toluene-d8	10.185	98	49997	4.801	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	9.600%#
62) 4-Bromofluorobenzene	12.483	95	16507	4.802	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	9.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	13976	5.363	ug/l	96
3) Chloromethane	2.119	50	16898	5.289	ug/l	98
4) Vinyl Chloride	2.259	62	21503	5.653	ug/l	96
5) Bromomethane	2.656	94	16406	5.901	ug/l	92
6) Chloroethane	2.802	64	12631	5.285	ug/l	100
7) Trichlorofluoromethane	3.131	101	26923	5.412	ug/l	94
8) Diethyl Ether	3.540	74	8993	5.135	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	14507	5.366	ug/l	99
10) Methyl Iodide	4.101	142	13632	4.443	ug/l	95
11) Tert butyl alcohol	4.978	59	8481	29.192	ug/l	99
12) 1,1-Dichloroethene	3.881	96	14496	5.267	ug/l	94
13) Acrolein	3.741	56	7276	27.349	ug/l	97
14) Allyl chloride	4.491	41	25348	5.146	ug/l	98
15) Acrylonitrile	5.180	53	23151	26.620	ug/l	98
16) Acetone	3.966	43	20586	29.310	ug/l	95
17) Carbon Disulfide	4.204	76	48659	5.347	ug/l	98
18) Methyl Acetate	4.497	43	11145	5.645	ug/l	99
19) Methyl tert-butyl Ether	5.234	73	41744	5.027	ug/l	96
20) Methylene Chloride	4.722	84	31807	7.816	ug/l	93
21) trans-1,2-Dichloroethene	5.228	96	16262	5.259	ug/l	94
22) Diisopropyl ether	6.137	45	43723	4.574	ug/l	94
23) Vinyl Acetate	6.076	43	139082	22.119	ug/l	98
24) 1,1-Dichloroethane	6.027	63	24447	4.639	ug/l	98
25) 2-Butanone	6.996	43	24971	23.742	ug/l	97
26) 2,2-Dichloropropane	6.990	77	23415	4.887	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	15587	4.712	ug/l	99
28) Bromochloromethane	7.344	49	10431	4.917	ug/l	97
29) Tetrahydrofuran	7.356	42	16957	24.345	ug/l	98
30) Chloroform	7.515	83	25476	4.887	ug/l	98
31) Cyclohexane	7.795	56	29243	5.569	ug/l #	87
32) 1,1,1-Trichloroethane	7.710	97	22862	4.737	ug/l	99
36) 1,1-Dichloropropene	7.923	75	19625	4.769	ug/l	99
37) Ethyl Acetate	7.088	43	11607	4.634	ug/l	98
38) Carbon Tetrachloride	7.911	117	21847	4.859	ug/l	95
39) Methylcyclohexane	9.191	83	25811	4.892	ug/l	97
40) Benzene	8.167	78	57097	4.829	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	5714	3.415	ug/l	91
42) 1,2-Dichloroethane	8.246	62	18620	4.868	ug/l	98
43) Isopropyl Acetate	8.283	43	20718	4.568	ug/l	96
44) Trichloroethene	8.947	130	15974	4.981	ug/l	95
45) 1,2-Dichloropropane	9.222	63	13446	4.618	ug/l	100
46) Dibromomethane	9.313	93	7463	4.657	ug/l	99
47) Bromodichloromethane	9.502	83	18738	4.652	ug/l	93
48) Methyl methacrylate	9.301	41	9843	4.666	ug/l	98
49) 1,4-Dioxane	9.307	88	1972	87.237	ug/l #	89
51) 4-Methyl-2-Pentanone	10.075	43	56465	23.449	ug/l	99
52) Toluene	10.252	92	34877	4.645	ug/l	96
53) t-1,3-Dichloropropene	10.471	75	21191	4.703	ug/l	95
54) cis-1,3-Dichloropropene	9.935	75	23404	4.725	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	10834	4.711	ug/l	96
56) Ethyl methacrylate	10.514	69	15609	4.495	ug/l	99
57) 1,3-Dichloropropane	10.794	76	19644	4.802	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.789	63	37230	22.417	ug/l	98
59) 2-Hexanone	10.837	43	39454	23.377	ug/l	98
60) Dibromochloromethane	10.990	129	13375	4.762	ug/l	100
61) 1,2-Dibromoethane	11.093	107	10051	4.617	ug/l	98
64) Tetrachloroethene	10.721	164	14670	5.002	ug/l	94
65) Chlorobenzene	11.520	112	38276	4.814	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	14188	4.778	ug/l	98
67) Ethyl Benzene	11.599	91	68477	4.731	ug/l	97
68) m/p-Xylenes	11.709	106	53507	9.520	ug/l	97
69) o-Xylene	12.032	106	25405	4.751	ug/l	97
70) Styrene	12.050	104	41401	4.560	ug/l	100
71) Bromoform	12.215	173	9173	4.833	ug/l #	97
73) Isopropylbenzene	12.331	105	65521	4.651	ug/l	98
74) N-amyl acetate	12.148	43	19111	4.456	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	12768	4.747	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	9566m	6.345	ug/l	
77) Bromobenzene	12.611	156	16461	4.771	ug/l	99
78) n-propylbenzene	12.672	91	80561	4.740	ug/l	97
79) 2-Chlorotoluene	12.764	91	45745	4.791	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	55047	4.678	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	4943	4.775	ug/l	98
82) 4-Chlorotoluene	12.861	91	47198	4.776	ug/l	99
83) tert-Butylbenzene	13.081	119	48991	4.674	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	55633	4.714	ug/l	99
85) sec-Butylbenzene	13.257	105	71502	4.730	ug/l	99
86) p-Isopropyltoluene	13.373	119	61043	4.690	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	32259	4.768	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	32728	4.882	ug/l	93
89) n-Butylbenzene	13.696	91	57300	4.796	ug/l	99
90) Hexachloroethane	13.965	117	10811	4.620	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	29591	4.897	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	2536	4.862	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	20717	4.969	ug/l	100
94) Hexachlorobutadiene	15.117	225	13304	5.035	ug/l	97
95) Naphthalene	15.239	128	40412	4.819	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	18988	5.053	ug/l	98

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

