

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051021\
 Data File : VY004726.D
 Acq On : 10 May 2021 13:03
 Operator : SY/MD
 Sample : VSTDIC150
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 5/11/2021 10:35:56 AM

Quant Time: May 11 03:53:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 03:49:27 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	196719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	321431	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	298110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141050	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	352909	150.71	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 301.42%#			
35) Dibromofluoromethane	7.728	113	230935	131.24	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 262.48%#			
50) Toluene-d8	10.185	98	1215566	152.92	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 305.84%#			
62) 4-Bromofluorobenzene	12.483	95	407799	152.00	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 304.00%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	248717	138.07	ug/l	99
3) Chloromethane	2.119	50	390984	133.93	ug/l	98
4) Vinyl Chloride	2.253	62	389777	130.48	ug/l	100
5) Bromomethane	2.637	94	203089	133.30	ug/l	97
6) Chloroethane	2.790	64	243970	138.40	ug/l	97
7) Trichlorofluoromethane	3.125	101	485564	136.93	ug/l	98
8) Diethyl Ether	3.534	74	177363	141.56	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.899	101	281635	140.00	ug/l	98
10) Methyl Iodide	4.095	142	318849	148.23	ug/l	99
11) Tert butyl alcohol	4.985	59	168582	716.42	ug/l	99
12) 1,1-Dichloroethene	3.875	96	277493	142.70	ug/l	99
13) Acrolein	3.735	56	194138	701.76	ug/l	98
14) Allyl chloride	4.485	41	563015	148.16	ug/l	99
15) Acrylonitrile	5.180	53	475748	757.51	ug/l	99
16) Acetone	3.960	43	387837	737.42	ug/l	99
17) Carbon Disulfide	4.198	76	806512	135.82	ug/l	100
18) Methyl Acetate	4.485	43	251121	149.73	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	812248	151.87	ug/l	98
20) Methylene Chloride	4.722	84	324283	96.20	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	324018	146.66	ug/l	98
22) Diisopropyl ether	6.131	45	1107819	151.57	ug/l	99
23) Vinyl Acetate	6.070	43	4207243	766.46	ug/l	100
24) 1,1-Dichloroethane	6.027	63	607146	147.63	ug/l	99
25) 2-Butanone	6.996	43	730113	781.38	ug/l	100
26) 2,2-Dichloropropane	6.990	77	520293	144.83	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	367028	149.60	ug/l	99
28) Bromochloromethane	7.344	49	293449	146.06	ug/l	98
29) Tetrahydrofuran	7.356	42	464748	779.70	ug/l	98
30) Chloroform	7.515	83	591613	146.00	ug/l	99
31) Cyclohexane	7.789	56	521887	137.69	ug/l	100
32) 1,1,1-Trichloroethane	7.710	97	527406	145.21	ug/l	100
36) 1,1-Dichloropropene	7.923	75	470534	142.84	ug/l	100
37) Ethyl Acetate	7.082	43	336123	148.90	ug/l	100
38) Carbon Tetrachloride	7.905	117	452117	152.69	ug/l	99
39) Methylcyclohexane	9.185	83	535698	149.12	ug/l	99
40) Benzene	8.167	78	1361039	146.15	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	179321m	141.71	ug/l	
42) 1,2-Dichloroethane	8.246	62	423388	143.96	ug/l	100
43) Isopropyl Acetate	8.283	43	639536	152.61	ug/l	100
44) Trichloroethene	8.947	130	355755	142.12	ug/l	99
45) 1,2-Dichloropropane	9.222	63	359213	147.45	ug/l	99
46) Dibromomethane	9.307	93	200349	147.86	ug/l	99
47) Bromodichloromethane	9.502	83	472801	147.12	ug/l	98
48) Methyl methacrylate	9.295	41	297568	156.03	ug/l	99
49) 1,4-Dioxane	9.307	88	52261	3275.82	ug/l	94
51) 4-Methyl-2-Pentanone	10.075	43	1726170	765.58	ug/l	99
52) Toluene	10.246	92	873292	148.53	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	535782	150.49	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	585466	147.79	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	275408	147.71	ug/l	98
56) Ethyl methacrylate	10.514	69	434674	161.20	ug/l	97
57) 1,3-Dichloropropane	10.795	76	489797	147.74	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	1090229	783.29	ug/l	99
59) 2-Hexanone	10.837	43	1190393	779.13	ug/l	98
60) Dibromochloromethane	10.990	129	330181	148.92	ug/l	98
61) 1,2-Dibromoethane	11.093	107	266470	148.22	ug/l	98
64) Tetrachloroethene	10.721	164	380273	141.19	ug/l	99
65) Chlorobenzene	11.520	112	889718	145.03	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	330644	148.24	ug/l	99
67) Ethyl Benzene	11.593	91	1717394	150.66	ug/l	99
68) m/p-Xylenes	11.703	106	1282396	299.42	ug/l	100
69) o-Xylene	12.032	106	607137	151.68	ug/l	99
70) Styrene	12.044	104	1039734	154.94	ug/l	100
71) Bromoform	12.209	173	202849	150.12	ug/l #	98
73) Isopropylbenzene	12.331	105	1612377	151.53	ug/l	100
74) N-amyl acetate	12.148	43	579303	153.98	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	318790	150.13	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	227421m	159.25	ug/l	
77) Bromobenzene	12.611	156	350949	146.07	ug/l	98
78) n-propylbenzene	12.672	91	1942382	149.58	ug/l	100
79) 2-Chlorotoluene	12.758	91	1065638	149.55	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1319164	149.27	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	131116	151.75	ug/l	99
82) 4-Chlorotoluene	12.855	91	1092797	147.68	ug/l	100
83) tert-Butylbenzene	13.075	119	1135892	150.57	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	1314805	148.65	ug/l	100
85) sec-Butylbenzene	13.258	105	1629437	148.56	ug/l	99
86) p-Isopropyltoluene	13.367	119	1431511	150.56	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	680300	144.36	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	665610	143.33	ug/l	100
89) n-Butylbenzene	13.696	91	1373250	147.73	ug/l	100
90) Hexachloroethane	13.965	117	209053	156.11	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	606333	145.85	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	56766	143.08	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	395210	147.58	ug/l	100
94) Hexachlorobutadiene	15.111	225	206642	142.45	ug/l	98
95) Naphthalene	15.239	128	919352	158.63	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	355833	150.13	ug/l	99

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

