

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041221\
 Data File : VY004377.D
 Acq On : 12 Apr 2021 11:40
 Operator : SY/MD
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 4/13/2021 4:09:31 PM

Quant Time: Apr 13 02:50:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 02:48:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	211650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	337851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	297999	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	138219	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	22461	9.50	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.00%#		
35) Dibromofluoromethane	7.728	113	18776	9.61	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.22%#		
50) Toluene-d8	10.185	98	76051	9.63	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	19.26%#		
62) 4-Bromofluorobenzene	12.483	95	25626	9.64	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	19.28%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.912	85	19976	9.86	ug/l	94
3) Chloromethane	2.119	50	29547	9.79	ug/l	100
4) Vinyl Chloride	2.259	62	31900	9.79	ug/l	95
5) Bromomethane	2.656	94	15433	10.00	ug/l	97
6) Chloroethane	2.802	64	18234	9.80	ug/l	98
7) Trichlorofluoromethane	3.137	101	39272	10.08	ug/l	99
8) Diethyl Ether	3.546	74	13344	10.39	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.911	101	21212	9.93	ug/l	99
10) Methyl Iodide	4.100	142	25388	9.98	ug/l	99
11) Tert butyl alcohol	4.972	59	13311	53.25	ug/l	100
12) 1,1-Dichloroethene	3.881	96	21410	10.11	ug/l	93
13) Acrolein	3.741	56	15697	57.84	ug/l	99
14) Allyl chloride	4.497	41	40745	10.18	ug/l	98
15) Acrylonitrile	5.186	53	36836	53.46	ug/l	97
16) Acetone	3.960	43	32702	53.29	ug/l	95
17) Carbon Disulfide	4.204	76	67514	10.17	ug/l	98
18) Methyl Acetate	4.491	43	17728	10.51	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	64543	10.34	ug/l	96
20) Methylene Chloride	4.728	84	23903	10.15	ug/l	91
21) trans-1,2-Dichloroethene	5.241	96	23786	9.99	ug/l	96
22) Diisopropyl ether	6.131	45	84551	10.16	ug/l	97
23) Vinyl Acetate	6.076	43	295768	51.93	ug/l	100
24) 1,1-Dichloroethane	6.033	63	43679	10.13	ug/l	99
25) 2-Butanone	7.002	43	50226	54.59	ug/l	99
26) 2,2-Dichloropropane	6.996	77	39356	10.02	ug/l	99
27) cis-1,2-Dichloroethene	7.002	96	27044	10.22	ug/l	99
28) Bromochloromethane	7.350	49	17751	9.49	ug/l	100
29) Tetrahydrofuran	7.356	42	34960	53.86	ug/l	100
30) Chloroform	7.521	83	43846	10.24	ug/l	100
31) Cyclohexane	7.795	56	45684	10.05	ug/l #	86
32) 1,1,1-Trichloroethane	7.710	97	39229	10.09	ug/l	100
36) 1,1-Dichloropropene	7.929	75	35196	10.14	ug/l	98
37) Ethyl Acetate	7.088	43	24111	10.78	ug/l	98
38) Carbon Tetrachloride	7.911	117	28449	9.97	ug/l	93
39) Methylcyclohexane	9.191	83	43106	10.12	ug/l	93
40) Benzene	8.167	78	98654	10.13	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	13648m	9.15	ug/l	
42) 1,2-Dichloroethane	8.246	62	32021	10.46	ug/l	98
43) Isopropyl Acetate	8.283	43	44299	10.61	ug/l	99
44) Trichloroethene	8.947	130	27271	10.20	ug/l	100
45) 1,2-Dichloropropane	9.222	63	25467	10.27	ug/l	98
46) Dibromomethane	9.313	93	14258	10.48	ug/l	98
47) Bromodichloromethane	9.502	83	33444	10.17	ug/l	99
48) Methyl methacrylate	9.301	41	20429	10.64	ug/l	96
49) 1,4-Dioxane	9.301	88	3803	223.92	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	116140	53.99	ug/l	100
52) Toluene	10.246	92	63205	10.11	ug/l	98
53) t-1,3-Dichloropropene	10.471	75	37744	10.49	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	42430	10.42	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	19260	10.29	ug/l	97
56) Ethyl methacrylate	10.514	69	27430	10.44	ug/l	99
57) 1,3-Dichloropropane	10.794	76	34365	10.36	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	59736	45.71	ug/l	100
59) 2-Hexanone	10.837	43	76793	53.81	ug/l	99
60) Dibromochloromethane	10.989	129	22938	10.50	ug/l	97
61) 1,2-Dibromoethane	11.093	107	18839	10.39	ug/l	98
64) Tetrachloroethene	10.721	164	27793	10.32	ug/l	99
65) Chlorobenzene	11.520	112	64134	10.29	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	22628	10.21	ug/l	100
67) Ethyl Benzene	11.599	91	118037	10.22	ug/l	98
68) m/p-Xylenes	11.703	106	87525	20.36	ug/l	100
69) o-Xylene	12.032	106	41062	10.29	ug/l	99
70) Styrene	12.044	104	66365	10.15	ug/l	99
71) Bromoform	12.209	173	13862	10.74	ug/l #	100
73) Isopropylbenzene	12.331	105	111139	10.16	ug/l	99
74) N-amyl acetate	12.148	43	39462	10.71	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.587	83	22079	10.57	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	16648m	10.10	ug/l	
77) Bromobenzene	12.611	156	25586	10.27	ug/l	98
78) n-propylbenzene	12.672	91	131325	10.09	ug/l	100
79) 2-Chlorotoluene	12.757	91	71924	10.06	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	91443	10.18	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	8976	10.66	ug/l	99
82) 4-Chlorotoluene	12.861	91	77021	10.22	ug/l	100
83) tert-Butylbenzene	13.081	119	78009	10.17	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	91848	10.15	ug/l	99
85) sec-Butylbenzene	13.257	105	106990	10.00	ug/l	100
86) p-Isopropyltoluene	13.373	119	97808	10.10	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	46298	9.99	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	48210	10.38	ug/l	98
89) n-Butylbenzene	13.696	91	91557	9.93	ug/l	99
90) Hexachloroethane	13.965	117	12091	9.78	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	41719	10.18	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	4187	10.72	ug/l	94
93) 1,2,4-Trichlorobenzene	15.013	180	27669	10.29	ug/l	100
94) Hexachlorobutadiene	15.117	225	14234	10.12	ug/l	97
95) Naphthalene	15.239	128	61376	10.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	24489	10.44	ug/l	99

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

