

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051321\
 Data File : VY004765.D
 Acq On : 13 May 2021 15:11
 Operator : SY/MD
 Sample : M2383-04MS
 Misc : 4.95G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 KSB-03(7-9)MS

Manual Integrations
 APPROVED

MMDadoda
 5/14/2021 6:50:23 PM

Quant Time: May 14 02:28:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	143969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	225658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	156353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	41451	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	85438	49.86	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.72%
35) Dibromofluoromethane	7.728	113	69622	56.36	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.72%
50) Toluene-d8	10.185	98	269247	48.25	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.50%
62) 4-Bromofluorobenzene	12.483	95	58048	30.82	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	61.64%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	71348	54.12	ug/l	99
3) Chloromethane	2.119	50	104527	48.93	ug/l	99
4) Vinyl Chloride	2.259	62	96419	44.10	ug/l	100
5) Bromomethane	2.662	94	57589	51.65	ug/l	99
6) Chloroethane	2.802	64	63807	49.46	ug/l	96
7) Trichlorofluoromethane	3.137	101	140713	54.22	ug/l	97
8) Diethyl Ether	3.540	74	49049	53.49	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.911	101	75826	51.50	ug/l	99
10) Methyl Iodide	4.107	142	83968	53.34	ug/l	99
11) Tert butyl alcohol	4.978	59	36035	209.24	ug/l	100
12) 1,1-Dichloroethene	3.887	96	64926	45.62	ug/l	100
13) Acrolein	3.741	56	44874	221.64	ug/l	98
14) Allyl chloride	4.491	41	125276	45.05	ug/l	99
15) Acrylonitrile	5.186	53	110679	240.80	ug/l	99
16) Acetone	3.960	43	84594	219.78	ug/l	100
17) Carbon Disulfide	4.204	76	109164	25.12	ug/l	99
18) Methyl Acetate	4.491	43	95161	77.53	ug/l	99
19) Methyl tert-butyl Ether	5.240	73	221956	56.71	ug/l	100
20) Methylene Chloride	4.734	84	97109	55.33	ug/l	100
21) trans-1,2-Dichloroethene	5.234	96	53074	32.83	ug/l	98
22) Diisopropyl ether	6.137	45	313522	58.61	ug/l	96
23) Vinyl Acetate	6.076	43	776958	193.41	ug/l	100
24) 1,1-Dichloroethane	6.033	63	165950	55.13	ug/l	99
25) 2-Butanone	7.002	43	156391	228.70	ug/l	99
26) 2,2-Dichloropropane	6.996	77	155810	59.26	ug/l	98
27) cis-1,2-Dichloroethene	6.996	96	75969	42.31	ug/l	95
28) Bromochloromethane	7.344	49	70349	47.85	ug/l	100
29) Tetrahydrofuran	7.362	42	108715	249.22	ug/l	99
30) Chloroform	7.521	83	158333	53.39	ug/l	97
31) Cyclohexane	7.795	56	121571	43.83	ug/l	98
32) 1,1,1-Trichloroethane	7.716	97	150114	56.47	ug/l	99
36) 1,1-Dichloropropene	7.929	75	87710	37.93	ug/l	99
37) Ethyl Acetate	7.088	43	73591	46.44	ug/l	99
38) Carbon Tetrachloride	7.911	117	118377	56.95	ug/l	99
39) Methylcyclohexane	9.191	83	86018	34.11	ug/l	97
40) Benzene	8.167	78	350937	53.68	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	45356m	52.37	ug/l	
42) 1,2-Dichloroethane	8.246	62	104301	50.52	ug/l	99
43) Isopropyl Acetate	8.283	43	157010	53.37	ug/l	100
44) Trichloroethene	8.947	130	68333	38.88	ug/l	95
45) 1,2-Dichloropropane	9.222	63	95725	55.97	ug/l	99
46) Dibromomethane	9.313	93	40608	42.69	ug/l	99
47) Bromodichloromethane	9.502	83	121898	54.03	ug/l	100
48) Methyl methacrylate	9.301	41	71908	53.71	ug/l	99
49) 1,4-Dioxane	9.313	88	10194	910.17	ug/l #	86
51) 4-Methyl-2-Pentanone	10.075	43	416407	263.07	ug/l	100
52) Toluene	10.252	92	194789	47.19	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	79100	31.65	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	111580	40.12	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	68661	52.45	ug/l	99
56) Ethyl methacrylate	10.514	69	95166	50.27	ug/l	98
57) 1,3-Dichloropropane	10.794	76	114236	49.08	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	236506	242.04	ug/l	100
59) 2-Hexanone	10.837	43	260053	242.45	ug/l	99
60) Dibromochloromethane	10.989	129	78314	50.31	ug/l	97
61) 1,2-Dibromoethane	11.093	107	53109	42.08	ug/l	99
64) Tetrachloroethene	10.721	164	74882	53.01	ug/l	98
65) Chlorobenzene	11.520	112	157176	48.85	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	85569	73.14	ug/l	99
67) Ethyl Benzene	11.599	91	319540	53.45	ug/l	99
68) m/p-Xylenes	11.709	106	236536	105.30	ug/l	100
69) o-Xylene	12.032	106	131827	62.79	ug/l	99
70) Styrene	12.050	104	160208	45.52	ug/l	97
71) Bromoform	12.215	173	43802	61.81	ug/l #	99
73) Isopropylbenzene	12.331	105	309188	98.88	ug/l	99
74) N-amyl acetate	12.148	43	108390	98.03	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.587	83	74533	119.44	ug/l	99
76) 1,2,3-Trichloropropane	12.642	75	55596m	126.28	ug/l	
77) Bromobenzene	12.611	156	54519	77.21	ug/l	96
78) n-propylbenzene	12.672	91	263641	69.09	ug/l	100
79) 2-Chlorotoluene	12.757	91	178234	85.12	ug/l	100
80) 1,3,5-Trimethylbenzene	12.818	105	239941	92.39	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	22226	87.53	ug/l #	77
82) 4-Chlorotoluene	12.855	91	130678	60.09	ug/l	98
83) tert-Butylbenzene	13.081	119	205192	92.55	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	225744	86.85	ug/l	99
85) sec-Butylbenzene	13.257	105	223349	69.29	ug/l	100
86) p-Isopropyltoluene	13.373	119	186399	66.71	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	69867	50.45	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	62176	45.56	ug/l	100
89) n-Butylbenzene	13.702	91	95087	34.81	ug/l	100
90) Hexachloroethane	13.965	117	31642	80.41	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	82775	67.75	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	11606	99.54	ug/l	98
93) 1,2,4-Trichlorobenzene	15.013	180	19305	24.53	ug/l	99
94) Hexachlorobutadiene	15.111	225	10695	25.09	ug/l	100
95) Naphthalene	15.239	128	117207	68.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.428	180	23182	33.28	ug/l	98

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

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