

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041421\
 Data File : VY004414.D
 Acq On : 14 Apr 2021 12:03
 Operator : SY/MD
 Sample : VY0414SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0414SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/15/2021 5:37:33 PM

Quant Time: Apr 15 01:05:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	182127	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	294581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	265219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	124949	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	107835	53.29	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.58%			
35) Dibromofluoromethane	7.728	113	85686	52.41	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.82%			
50) Toluene-d8	10.185	98	362693	52.16	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.32%			
62) 4-Bromofluorobenzene	12.483	95	121912	51.66	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.32%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	34685	20.56	ug/l	99
3) Chloromethane	2.125	50	49287	20.20	ug/l	100
4) Vinyl Chloride	2.259	62	50901m	19.75	ug/l	
5) Bromomethane	2.650	94	26703	21.24	ug/l	98
6) Chloroethane	2.796	64	33708	21.82	ug/l	99
7) Trichlorofluoromethane	3.131	101	66756	20.71	ug/l	99
8) Diethyl Ether	3.540	74	24620	22.60	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.912	101	38014	21.26	ug/l	98
10) Methyl Iodide	4.101	142	43082	20.14	ug/l	99
11) Tert butyl alcohol	4.978	59	24480	122.75	ug/l	98
12) 1,1-Dichloroethene	3.881	96	36898	20.87	ug/l	90
13) Acrolein	3.741	56	24310	109.66	ug/l	97
14) Allyl chloride	4.491	41	70292	20.79	ug/l	98
15) Acrylonitrile	5.180	53	66024	112.97	ug/l	97
16) Acetone	3.960	43	51436	108.91	ug/l	98
17) Carbon Disulfide	4.210	76	114803	21.09	ug/l	99
18) Methyl Acetate	4.491	43	31374	22.26	ug/l	100
19) Methyl tert-butyl Ether	5.241	73	116879	22.00	ug/l	97
20) Methylene Chloride	4.729	84	44996	23.02	ug/l	97
21) trans-1,2-Dichloroethene	5.235	96	42396	21.19	ug/l	95
22) Diisopropyl ether	6.131	45	151909	21.25	ug/l	96
23) Vinyl Acetate	6.076	43	536031	110.17	ug/l	99
24) 1,1-Dichloroethane	6.027	63	76908	21.06	ug/l	99
25) 2-Butanone	7.003	43	87690	113.76	ug/l	96
26) 2,2-Dichloropropane	6.996	77	67831	20.70	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	47981	21.44	ug/l	98
28) Bromochloromethane	7.344	49	33016	19.90	ug/l	98
29) Tetrahydrofuran	7.362	42	62117	112.79	ug/l	99
30) Chloroform	7.515	83	75683	21.09	ug/l	98
31) Cyclohexane	7.789	56	75927	20.47	ug/l	97
32) 1,1,1-Trichloroethane	7.710	97	67164	20.63	ug/l	100
36) 1,1-Dichloropropene	7.929	75	59772	20.42	ug/l	99
37) Ethyl Acetate	7.088	43	44370	23.54	ug/l	99
38) Carbon Tetrachloride	7.905	117	52347	20.69	ug/l	99
39) Methylcyclohexane	9.191	83	75283	20.89	ug/l	99
40) Benzene	8.167	78	173191	21.05	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	24442m	21.40	ug/l	
42) 1,2-Dichloroethane	8.246	62	55147	21.37	ug/l	100
43) Isopropyl Acetate	8.283	43	79794	22.33	ug/l	99
44) Trichloroethene	8.947	130	47821	21.32	ug/l	94
45) 1,2-Dichloropropane	9.222	63	45706	21.53	ug/l	97
46) Dibromomethane	9.313	93	25015	21.64	ug/l	99
47) Bromodichloromethane	9.502	83	60534	21.63	ug/l	96
48) Methyl methacrylate	9.301	41	36148	21.97	ug/l	99
49) 1,4-Dioxane	9.307	88	7146	473.37	ug/l	91
51) 4-Methyl-2-Pentanone	10.075	43	211616	115.29	ug/l	99
52) Toluene	10.246	92	109461	20.56	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	66712	21.61	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	73968	21.10	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	34772	21.83	ug/l	96
56) Ethyl methacrylate	10.514	69	49972	21.64	ug/l	98
57) 1,3-Dichloropropane	10.795	76	62067	21.84	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	129160	109.30	ug/l	100
59) 2-Hexanone	10.837	43	143174	116.35	ug/l	100
60) Dibromochloromethane	10.990	129	40129	21.20	ug/l	100
61) 1,2-Dibromoethane	11.093	107	33275	21.67	ug/l	99
64) Tetrachloroethene	10.721	164	49006	21.22	ug/l	97
65) Chlorobenzene	11.520	112	112929	20.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	40605	21.02	ug/l	100
67) Ethyl Benzene	11.599	91	209119	20.65	ug/l	99
68) m/p-Xylenes	11.703	106	156517	41.59	ug/l	99
69) o-Xylene	12.032	106	72302	20.50	ug/l	99
70) Styrene	12.044	104	121101	20.73	ug/l	99
71) Bromoform	12.215	173	23958	20.91	ug/l #	99
73) Isopropylbenzene	12.331	105	198384	20.55	ug/l	100
74) N-amyl acetate	12.148	43	72116	22.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	40214	22.01	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	30197m	22.52	ug/l	
77) Bromobenzene	12.611	156	45504	21.03	ug/l	100
78) n-propylbenzene	12.672	91	238440	20.90	ug/l	99
79) 2-Chlorotoluene	12.758	91	130294	20.89	ug/l	98
80) 1,3,5-Trimethylbenzene	12.819	105	163190	20.79	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	16128	21.51	ug/l	98
82) 4-Chlorotoluene	12.861	91	137010	20.80	ug/l	99
83) tert-Butylbenzene	13.081	119	140149	20.86	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	166021	20.96	ug/l	99
85) sec-Butylbenzene	13.257	105	196221	20.94	ug/l	100
86) p-Isopropyltoluene	13.373	119	178603	20.96	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	85464	21.14	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	84632	20.80	ug/l	98
89) n-Butylbenzene	13.696	91	170401	20.95	ug/l	100
90) Hexachloroethane	13.965	117	23500	20.55	ug/l	99
91) 1,2-Dichlorobenzene	13.745	146	77141	21.50	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	7433	22.68	ug/l	96
93) 1,2,4-Trichlorobenzene	15.013	180	51352	21.65	ug/l	99
94) Hexachlorobutadiene	15.117	225	25417	20.52	ug/l	98
95) Naphthalene	15.239	128	113756	22.06	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	45152	21.57	ug/l	98

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

