

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042221\
 Data File : VY004574.D
 Acq On : 22 Apr 2021 10:58
 Operator : SY/MD
 Sample : VY0422SBS01
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0422SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/23/2021 6:11:40 PM

Quant Time: Apr 23 09:17:08 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	137286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	222209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	196361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	89654	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	85117	55.80	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.60%			
35) Dibromofluoromethane	7.734	113	68263	55.36	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.72%			
50) Toluene-d8	10.185	98	286325	54.59	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.18%			
62) 4-Bromofluorobenzene	12.489	95	92443	51.93	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.86%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	24007	18.87	ug/l	100
3) Chloromethane	2.125	50	36676	19.94	ug/l	96
4) Vinyl Chloride	2.266	62	47663	24.54	ug/l	98
5) Bromomethane	2.662	94	20942	22.10	ug/l	98
6) Chloroethane	2.808	64	24345	20.90	ug/l	93
7) Trichlorofluoromethane	3.144	101	49846	20.52	ug/l	99
8) Diethyl Ether	3.546	74	16915	20.60	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.912	101	28432	21.10	ug/l	97
10) Methyl Iodide	4.107	142	28302	17.55	ug/l	98
11) Tert butyl alcohol	4.985	59	14679	97.65	ug/l #	87
12) 1,1-Dichloroethene	3.887	96	27032	20.29	ug/l	97
13) Acrolein	3.747	56	14330	85.75	ug/l	98
14) Allyl chloride	4.497	41	52219	20.49	ug/l	99
15) Acrylonitrile	5.186	53	46206	104.89	ug/l	99
16) Acetone	3.967	43	32355	87.43	ug/l	97
17) Carbon Disulfide	4.210	76	83499	20.35	ug/l	99
18) Methyl Acetate	4.497	43	22665	21.33	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	79976	19.97	ug/l	98
20) Methylene Chloride	4.741	84	31841	21.61	ug/l	95
21) trans-1,2-Dichloroethene	5.241	96	30854	20.46	ug/l	99
22) Diisopropyl ether	6.137	45	113359	21.04	ug/l	98
23) Vinyl Acetate	6.076	43	382285	104.24	ug/l	100
24) 1,1-Dichloroethane	6.033	63	57295	20.82	ug/l	99
25) 2-Butanone	7.009	43	58819	101.23	ug/l	96
26) 2,2-Dichloropropane	6.997	77	50625	20.50	ug/l	99
27) cis-1,2-Dichloroethene	7.003	96	34148	20.24	ug/l	99
28) Bromochloromethane	7.350	49	25058	20.03	ug/l	98
29) Tetrahydrofuran	7.362	42	42126	101.48	ug/l	98
30) Chloroform	7.521	83	55903	20.67	ug/l	98
31) Cyclohexane	7.795	56	56112	20.07	ug/l	96
32) 1,1,1-Trichloroethane	7.716	97	51326	20.92	ug/l	100
36) 1,1-Dichloropropene	7.929	75	45038	20.40	ug/l	100
37) Ethyl Acetate	7.094	43	31005	21.81	ug/l	98
38) Carbon Tetrachloride	7.911	117	39845	20.87	ug/l	100
39) Methylcyclohexane	9.191	83	53992	19.86	ug/l	98
40) Benzene	8.173	78	126996	20.47	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	15555m	18.05	ug/l	
42) 1,2-Dichloroethane	8.246	62	40213	20.66	ug/l	100
43) Isopropyl Acetate	8.283	43	56462	20.95	ug/l	100
44) Trichloroethene	8.947	130	34068	20.14	ug/l	88
45) 1,2-Dichloropropane	9.228	63	33963	21.21	ug/l	93
46) Dibromomethane	9.313	93	17878	20.50	ug/l	97
47) Bromodichloromethane	9.508	83	43771	20.74	ug/l	99
48) Methyl methacrylate	9.301	41	25185	20.29	ug/l	99
49) 1,4-Dioxane	9.307	88	4375	384.20	ug/l	92
51) 4-Methyl-2-Pentanone	10.081	43	148388	107.17	ug/l	99
52) Toluene	10.252	92	79764	19.86	ug/l	98
53) t-1,3-Dichloropropene	10.472	75	48237	20.72	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	52906	20.01	ug/l	96
55) 1,1,2-Trichloroethane	10.654	97	24880	20.71	ug/l	98
56) Ethyl methacrylate	10.514	69	35078	20.13	ug/l	98
57) 1,3-Dichloropropane	10.801	76	43432	20.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	90970	102.05	ug/l	99
59) 2-Hexanone	10.843	43	97517	105.06	ug/l	98
60) Dibromochloromethane	10.996	129	28906	20.25	ug/l	100
61) 1,2-Dibromoethane	11.093	107	23371	20.18	ug/l	99
64) Tetrachloroethene	10.728	164	36474	21.34	ug/l	97
65) Chlorobenzene	11.526	112	82204	20.51	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.599	131	30035	21.00	ug/l	98
67) Ethyl Benzene	11.599	91	150362	20.05	ug/l	99
68) m/p-Xylenes	11.709	106	112045	40.22	ug/l	99
69) o-Xylene	12.038	106	52286	20.03	ug/l	98
70) Styrene	12.050	104	86334	19.96	ug/l	100
71) Bromoform	12.215	173	16735	19.73	ug/l #	99
73) Isopropylbenzene	12.337	105	143045	20.65	ug/l	100
74) N-amyl acetate	12.148	43	47674	20.44	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.593	83	27303	20.83	ug/l	100
76) 1,2,3-Trichloropropane	12.642	75	18908m	19.65	ug/l	
77) Bromobenzene	12.617	156	31813	20.49	ug/l	99
78) n-propylbenzene	12.678	91	169190	20.67	ug/l	99
79) 2-Chlorotoluene	12.764	91	91385	20.42	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	118254	21.00	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	11269	20.95	ug/l	99
82) 4-Chlorotoluene	12.861	91	97617	20.65	ug/l	99
83) tert-Butylbenzene	13.081	119	97997	20.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.130	105	116381	20.48	ug/l	99
85) sec-Butylbenzene	13.258	105	138566	20.61	ug/l	99
86) p-Isopropyltoluene	13.373	119	125001	20.44	ug/l	99
87) 1,3-Dichlorobenzene	13.373	146	59210	20.41	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	59960	20.54	ug/l	99
89) n-Butylbenzene	13.703	91	120529	20.65	ug/l	99
90) Hexachloroethane	13.965	117	18616	22.69	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	53011	20.59	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.367	75	5124	21.79	ug/l	88
93) 1,2,4-Trichlorobenzene	15.013	180	34182	20.08	ug/l	100
94) Hexachlorobutadiene	15.117	225	18139	20.41	ug/l	99
95) Naphthalene	15.245	128	73329	19.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.434	180	29727	19.79	ug/l	99

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

