

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041421\
 Data File : VY004411.D
 Acq On : 14 Apr 2021 10:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/15/2021 5:37:30 PM

Quant Time: Apr 15 01:04:19 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	7.795	168	193689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	309875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	276529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131916	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	112537	52.29	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.58%			
35) Dibromofluoromethane	7.728	113	88869	51.68	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.36%			
50) Toluene-d8	10.185	98	386909	52.89	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.78%			
62) 4-Bromofluorobenzene	12.483	95	128847	51.91	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.82%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	95856	53.42	ug/l	97
3) Chloromethane	2.125	50	131329	50.61	ug/l	97
4) Vinyl Chloride	2.259	62	161301	58.86	ug/l	99
5) Bromomethane	2.656	94	70222	52.52	ug/l	95
6) Chloroethane	2.802	64	86817	52.84	ug/l	100
7) Trichlorofluoromethane	3.131	101	176029	51.36	ug/l	99
8) Diethyl Ether	3.540	74	59206	51.11	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.911	101	99028	52.09	ug/l	100
10) Methyl Iodide	4.100	142	113927	50.07	ug/l	99
11) Tert butyl alcohol	4.972	59	55671	262.49	ug/l	100
12) 1,1-Dichloroethene	3.881	96	96228	51.19	ug/l	93
13) Acrolein	3.741	56	71457	303.09	ug/l	99
14) Allyl chloride	4.491	41	187103	52.03	ug/l	97
15) Acrylonitrile	5.179	53	163171	262.53	ug/l	99
16) Acetone	3.960	43	99519	215.21	ug/l	96
17) Carbon Disulfide	4.204	76	298150	51.50	ug/l	99
18) Methyl Acetate	4.491	43	77255	51.54	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	291546	51.61	ug/l	98
20) Methylene Chloride	4.728	84	104501	50.28	ug/l	99
21) trans-1,2-Dichloroethene	5.234	96	110175	51.79	ug/l	96
22) Diisopropyl ether	6.131	45	392255	51.61	ug/l	99
23) Vinyl Acetate	6.070	43	1353029	261.50	ug/l	98
24) 1,1-Dichloroethane	6.027	63	198149	51.03	ug/l	100
25) 2-Butanone	6.996	43	202380	246.88	ug/l	98
26) 2,2-Dichloropropane	6.990	77	179972	51.65	ug/l	100
27) cis-1,2-Dichloroethene	6.996	96	121195	50.92	ug/l	99
28) Bromochloromethane	7.344	49	94634	53.62	ug/l	99
29) Tetrahydrofuran	7.356	42	154517	263.82	ug/l	100
30) Chloroform	7.514	83	193266	50.65	ug/l	98
31) Cyclohexane	7.789	56	196857	49.90	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	176841	51.08	ug/l	99
36) 1,1-Dichloropropene	7.923	75	158696	51.54	ug/l	99
37) Ethyl Acetate	7.082	43	104972	52.94	ug/l	99
38) Carbon Tetrachloride	7.905	117	144974	54.46	ug/l	99
39) Methylcyclohexane	9.185	83	201116	53.05	ug/l	100
40) Benzene	8.167	78	446586	51.61	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.325	41	65995m	54.92	ug/l	
42) 1,2-Dichloroethane	8.246	62	136114	50.14	ug/l	99
43) Isopropyl Acetate	8.283	43	201609	53.63	ug/l	99
44) Trichloroethene	8.947	130	122843	52.06	ug/l	99
45) 1,2-Dichloropropane	9.221	63	116049	51.96	ug/l	100
46) Dibromomethane	9.307	93	62873	51.71	ug/l	99
47) Bromodichloromethane	9.502	83	150974	51.29	ug/l	98
48) Methyl methacrylate	9.295	41	93260	53.87	ug/l	97
49) 1,4-Dioxane	9.307	88	17094	1076.47	ug/l	93
51) 4-Methyl-2-Pentanone	10.075	43	524950	271.87	ug/l	100
52) Toluene	10.246	92	281647	50.30	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	168625	51.94	ug/l	100
54) cis-1,3-Dichloropropene	9.935	75	190876	51.77	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	86515	51.64	ug/l	97
56) Ethyl methacrylate	10.514	69	128728	52.98	ug/l	99
57) 1,3-Dichloropropane	10.794	76	155831	52.12	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.788	63	347552	279.59	ug/l	99
59) 2-Hexanone	10.837	43	351017	271.18	ug/l	100
60) Dibromochloromethane	10.989	129	103077	51.77	ug/l	100
61) 1,2-Dibromoethane	11.093	107	83734	51.84	ug/l	99
64) Tetrachloroethene	10.721	164	123746	51.40	ug/l	99
65) Chlorobenzene	11.520	112	287884	51.02	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	103535	51.40	ug/l	99
67) Ethyl Benzene	11.593	91	545644	51.68	ug/l	98
68) m/p-Xylenes	11.703	106	404531	103.11	ug/l	100
69) o-Xylene	12.032	106	188677	51.32	ug/l	100
70) Styrene	12.050	104	318366	52.28	ug/l	99
71) Bromoform	12.209	173	61893	51.81	ug/l #	100
73) Isopropylbenzene	12.331	105	516859	50.70	ug/l	100
74) N-amyl acetate	12.148	43	182821	53.27	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	99824	51.76	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	74443m	52.58	ug/l	
77) Bromobenzene	12.611	156	115245	50.44	ug/l	99
78) n-propylbenzene	12.672	91	622581	51.70	ug/l	100
79) 2-Chlorotoluene	12.757	91	335662	50.97	ug/l	99
80) 1,3,5-Trimethylbenzene	12.818	105	427078	51.55	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.386	75	41816	52.83	ug/l #	76
82) 4-Chlorotoluene	12.861	91	354632	50.99	ug/l	99
83) tert-Butylbenzene	13.081	119	369444	52.10	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	426046	50.96	ug/l	100
85) sec-Butylbenzene	13.257	105	515880	52.15	ug/l	100
86) p-Isopropyltoluene	13.373	119	467345	51.94	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	218175	51.12	ug/l	100
88) 1,4-Dichlorobenzene	13.452	146	215664	50.20	ug/l	100
89) n-Butylbenzene	13.696	91	450289	52.43	ug/l	99
90) Hexachloroethane	13.964	117	63976	52.99	ug/l	98
91) 1,2-Dichlorobenzene	13.745	146	192372	50.78	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	17465	50.47	ug/l	97
93) 1,2,4-Trichlorobenzene	15.013	180	127421	50.87	ug/l	99
94) Hexachlorobutadiene	15.117	225	69028	52.79	ug/l	98
95) Naphthalene	15.239	128	281808	51.75	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	112640	50.98	ug/l	100

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

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