

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050321\
 Data File : VY004689.D
 Acq On : 03 May 2021 10:22
 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
 5/4/2021 5:33:28 PM

Quant Time: May 04 01:11:26 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	198161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	316156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	284004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141688	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	118222	53.70	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.40%			
35) Dibromofluoromethane	7.722	113	85920	48.97	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.94%			
50) Toluene-d8	10.179	98	387399	51.91	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.82%			
62) 4-Bromofluorobenzene	12.483	95	136796	54.02	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.04%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	86181	46.94	ug/l	95
3) Chloromethane	2.113	50	126849	47.78	ug/l	97
4) Vinyl Chloride	2.253	62	138981	49.57	ug/l	99
5) Bromomethane	2.650	94	75615	55.27	ug/l	97
6) Chloroethane	2.796	64	88719	52.77	ug/l	99
7) Trichlorofluoromethane	3.125	101	182624	52.08	ug/l	99
8) Diethyl Ether	3.534	74	58965	49.75	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	100734	51.79	ug/l	99
10) Methyl Iodide	4.088	142	105280	45.22	ug/l	99
11) Tert butyl alcohol	4.966	59	53501	246.57	ug/l	98
12) 1,1-Dichloroethene	3.875	96	94919	49.35	ug/l	95
13) Acrolein	3.735	56	52653	218.29	ug/l	98
14) Allyl chloride	4.485	41	175051	47.58	ug/l	97
15) Acrylonitrile	5.167	53	156125	245.53	ug/l	97
16) Acetone	3.954	43	104713	221.92	ug/l	93
17) Carbon Disulfide	4.192	76	256938	43.38	ug/l	99
18) Methyl Acetate	4.479	43	77671	50.65	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	294417	50.94	ug/l	98
20) Methylene Chloride	4.722	84	112206	52.77	ug/l	97
21) trans-1,2-Dichloroethene	5.222	96	108415	49.81	ug/l	99
22) Diisopropyl ether	6.118	45	385025	49.51	ug/l	96
23) Vinyl Acetate	6.064	43	1284872	242.72	ug/l	100
24) 1,1-Dichloroethane	6.021	63	203153	51.14	ug/l	99
25) 2-Butanone	6.990	43	192789	229.87	ug/l	98
26) 2,2-Dichloropropane	6.984	77	189040	53.03	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	122439	50.28	ug/l	99
28) Bromochloromethane	7.338	49	101453	56.19	ug/l	98
29) Tetrahydrofuran	7.350	42	143761	239.92	ug/l	97
30) Chloroform	7.508	83	205060	52.53	ug/l	98
31) Cyclohexane	7.789	56	184123	45.62	ug/l	99
32) 1,1,1-Trichloroethane	7.704	97	186928	52.78	ug/l	100
36) 1,1-Dichloropropene	7.917	75	160230	51.00	ug/l	99
37) Ethyl Acetate	7.082	43	100042	49.45	ug/l	99
38) Carbon Tetrachloride	7.899	117	156175	57.51	ug/l	98
39) Methylcyclohexane	9.185	83	194392	50.26	ug/l	98
40) Benzene	8.161	78	453358	51.35	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	62743m	51.18	ug/l	
42) 1,2-Dichloroethane	8.240	62	145465	52.52	ug/l	100
43) Isopropyl Acetate	8.277	43	191219	49.86	ug/l	100
44) Trichloroethene	8.941	130	124287	51.63	ug/l	95
45) 1,2-Dichloropropane	9.215	63	116647	51.19	ug/l	99
46) Dibromomethane	9.307	93	65197	52.56	ug/l	99
47) Bromodichloromethane	9.496	83	163559	54.46	ug/l	99
48) Methyl methacrylate	9.295	41	90479	51.23	ug/l	97
49) 1,4-Dioxane	9.301	88	17589	1085.64	ug/l	92
51) 4-Methyl-2-Pentanone	10.075	43	515470	261.66	ug/l	100
52) Toluene	10.246	92	291683	51.06	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	175995	53.13	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	198386	52.73	ug/l	97
55) 1,1,2-Trichloroethane	10.648	97	90613	53.01	ug/l	97
56) Ethyl methacrylate	10.508	69	131072	52.88	ug/l	97
57) 1,3-Dichloropropane	10.794	76	161435	52.92	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	364105	287.09	ug/l	100
59) 2-Hexanone	10.837	43	342410	259.28	ug/l	100
60) Dibromochloromethane	10.983	129	110798	54.54	ug/l	100
61) 1,2-Dibromoethane	11.087	107	86478	52.47	ug/l	99
64) Tetrachloroethene	10.721	164	137454	55.59	ug/l	99
65) Chlorobenzene	11.514	112	303402	52.35	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	112661	54.46	ug/l	99
67) Ethyl Benzene	11.593	91	568851	52.46	ug/l	99
68) m/p-Xylenes	11.703	106	426875	105.94	ug/l	99
69) o-Xylene	12.026	106	198244	52.50	ug/l	98
70) Styrene	12.044	104	341441	54.59	ug/l	99
71) Bromoform	12.209	173	66656	54.33	ug/l #	99
73) Isopropylbenzene	12.331	105	556237	50.80	ug/l	100
74) N-amyl acetate	12.142	43	181561	49.26	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	100068	48.31	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	70745m	46.52	ug/l	
77) Bromobenzene	12.611	156	122558	49.94	ug/l	100
78) n-propylbenzene	12.672	91	669024	51.72	ug/l	99
79) 2-Chlorotoluene	12.758	91	363321	51.36	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	471369	52.97	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	41134	48.39	ug/l #	74
82) 4-Chlorotoluene	12.855	91	390334	52.26	ug/l	99
83) tert-Butylbenzene	13.075	119	392450	51.52	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	474794	52.87	ug/l	100
85) sec-Butylbenzene	13.251	105	562579	52.95	ug/l	99
86) p-Isopropyltoluene	13.367	119	516514	53.44	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	240646	52.50	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	237473	51.47	ug/l	99
89) n-Butylbenzene	13.696	91	490546	53.17	ug/l	99
90) Hexachloroethane	13.959	117	75779	58.44	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	211126	51.89	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	17871	48.08	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	134948	50.16	ug/l	99
94) Hexachlorobutadiene	15.111	225	75294	53.61	ug/l	100
95) Naphthalene	15.239	128	282130	48.24	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	116690	49.17	ug/l	100

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

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