

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050421\
 Data File : VY004719.D
 Acq On : 04 May 2021 16:40
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.05G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/5/2021 5:31:40 PM

Quant Time: May 05 01:35:54 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	170639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	281370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	263315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131318	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	112970	59.59	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	119.18%		
35) Dibromofluoromethane	7.722	113	77280	49.49	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.98%		
50) Toluene-d8	10.179	98	361406	54.41	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	108.82%		
62) 4-Bromofluorobenzene	12.477	95	126976	56.34	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	112.68%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	74100	46.87	ug/l	98
3) Chloromethane	2.113	50	116875	51.12	ug/l	98
4) Vinyl Chloride	2.253	62	125201	51.86	ug/l	98
5) Bromomethane	2.644	94	70560	59.90	ug/l	97
6) Chloroethane	2.790	64	82816	57.21	ug/l	96
7) Trichlorofluoromethane	3.125	101	162609	53.85	ug/l	99
8) Diethyl Ether	3.534	74	56860	55.71	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.899	101	90090	53.79	ug/l	99
10) Methyl Iodide	4.094	142	93336	46.56	ug/l	98
11) Tert butyl alcohol	4.972	59	55890	299.12	ug/l	98
12) 1,1-Dichloroethene	3.869	96	86326	52.12	ug/l	97
13) Acrolein	3.735	56	41542	200.00	ug/l	98
14) Allyl chloride	4.485	41	160618	50.70	ug/l	97
15) Acrylonitrile	5.167	53	155471	283.94	ug/l	98
16) Acetone	3.954	43	128645	325.50	ug/l	98
17) Carbon Disulfide	4.192	76	221511	43.43	ug/l	99
18) Methyl Acetate	4.485	43	78552	59.48	ug/l	98
19) Methyl tert-butyl Ether	5.228	73	287069	57.68	ug/l	98
20) Methylene Chloride	4.722	84	113716	62.10	ug/l	95
21) trans-1,2-Dichloroethene	5.222	96	98927	52.79	ug/l	99
22) Diisopropyl ether	6.125	45	368861	55.08	ug/l	99
23) Vinyl Acetate	6.064	43	1247610	273.69	ug/l	99
24) 1,1-Dichloroethane	6.021	63	189961	55.53	ug/l	99
25) 2-Butanone	6.990	43	218636	302.74	ug/l	97
26) 2,2-Dichloropropane	6.984	77	158692	51.70	ug/l	100
27) cis-1,2-Dichloroethene	6.990	96	117527	56.05	ug/l	99
28) Bromochloromethane	7.338	49	89831	57.78	ug/l	99
29) Tetrahydrofuran	7.356	42	145619	282.22	ug/l	99
30) Chloroform	7.508	83	194501	57.86	ug/l	98
31) Cyclohexane	7.783	56	164219	47.25	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	174190	57.11	ug/l	100
36) 1,1-Dichloropropene	7.917	75	145724	52.12	ug/l	100
37) Ethyl Acetate	7.082	43	99304	55.15	ug/l	99
38) Carbon Tetrachloride	7.899	117	143237	59.26	ug/l	97
39) Methylcyclohexane	9.185	83	170065	49.41	ug/l	99
40) Benzene	8.161	78	424644	54.04	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.332	41	61059m	55.96	ug/l	
42) 1,2-Dichloroethane	8.240	62	143100	58.06	ug/l	99
43) Isopropyl Acetate	8.277	43	195424	57.25	ug/l	98
44) Trichloroethene	8.941	130	117827	55.00	ug/l	96
45) 1,2-Dichloropropane	9.216	63	112868	55.66	ug/l	96
46) Dibromomethane	9.307	93	63355	57.38	ug/l	99
47) Bromodichloromethane	9.496	83	156879	58.69	ug/l	100
48) Methyl methacrylate	9.295	41	91096	57.95	ug/l	98
49) 1,4-Dioxane	9.301	88	18176	1260.56	ug/l	98
51) 4-Methyl-2-Pentanone	10.069	43	521959	297.71	ug/l	100
52) Toluene	10.246	92	274777	54.04	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	168360	57.11	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	184522	55.11	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	89322	58.71	ug/l	98
56) Ethyl methacrylate	10.508	69	128653	58.32	ug/l	98
57) 1,3-Dichloropropane	10.788	76	156651	57.70	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	344155	304.90	ug/l	100
59) 2-Hexanone	10.831	43	359746	306.08	ug/l	99
60) Dibromochloromethane	10.983	129	108247	59.88	ug/l	100
61) 1,2-Dibromoethane	11.087	107	86804	59.18	ug/l	98
64) Tetrachloroethene	10.715	164	129675	56.57	ug/l	98
65) Chlorobenzene	11.514	112	290261	54.02	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	107838	56.23	ug/l	99
67) Ethyl Benzene	11.593	91	537596	53.47	ug/l	99
68) m/p-Xylenes	11.703	106	402591	107.76	ug/l	99
69) o-Xylene	12.026	106	189699	54.18	ug/l	98
70) Styrene	12.044	104	328932	56.72	ug/l	99
71) Bromoform	12.209	173	66264	58.25	ug/l #	99
73) Isopropylbenzene	12.331	105	520922	51.34	ug/l	100
74) N-amyl acetate	12.142	43	184413	53.98	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	100728	52.47	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	67128m	47.63	ug/l	
77) Bromobenzene	12.605	156	118290	52.01	ug/l	99
78) n-propylbenzene	12.672	91	617943	51.55	ug/l	99
79) 2-Chlorotoluene	12.758	91	346355	52.83	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	442010	53.59	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	38810	49.26	ug/l	98
82) 4-Chlorotoluene	12.855	91	364189	52.61	ug/l	100
83) tert-Butylbenzene	13.075	119	368998	52.27	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	445589	53.54	ug/l	99
85) sec-Butylbenzene	13.251	105	518075	52.61	ug/l	100
86) p-Isopropyltoluene	13.367	119	477783	53.34	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	230075	54.16	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	227591	53.22	ug/l	100
89) n-Butylbenzene	13.696	91	448900	52.50	ug/l	99
90) Hexachloroethane	13.959	117	71470	59.47	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	203841	54.06	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18368	53.32	ug/l	100
93) 1,2,4-Trichlorobenzene	15.007	180	131036	52.55	ug/l	100
94) Hexachlorobutadiene	15.111	225	70290	54.00	ug/l	99
95) Naphthalene	15.233	128	289340	53.38	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	117230	53.29	ug/l	99

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

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