

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052621\
 Data File : VY004888.D
 Acq On : 26 May 2021 15:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/27/2021 10:32:57 AM

Quant Time: May 27 01:16:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	241339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	413131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	380199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	171721	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	149126	51.91	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.82%			
35) Dibromofluoromethane	7.722	113	115313	50.99	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.98%			
50) Toluene-d8	10.179	98	500567	48.99	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.98%			
62) 4-Bromofluorobenzene	12.483	95	174860	50.71	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 101.42%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	103996	47.06	ug/l	99
3) Chloromethane	2.113	50	152608	42.61	ug/l	99
4) Vinyl Chloride	2.253	62	145537	39.71	ug/l	99
5) Bromomethane	2.650	94	89435	47.85	ug/l	100
6) Chloroethane	2.796	64	92138	42.60	ug/l	97
7) Trichlorofluoromethane	3.125	101	207957	47.80	ug/l	96
8) Diethyl Ether	3.534	74	81657	53.12	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.906	101	124960	50.63	ug/l	96
10) Methyl Iodide	4.095	142	107388	40.69	ug/l	98
11) Tert butyl alcohol	4.972	59	79233	274.45	ug/l	98
12) 1,1-Dichloroethene	3.875	96	124486	52.18	ug/l	95
13) Acrolein	3.735	56	64723	190.70	ug/l	97
14) Allyl chloride	4.485	41	236321	50.69	ug/l	96
15) Acrylonitrile	5.174	53	210094	272.67	ug/l	99
16) Acetone	3.954	43	171732	266.15	ug/l	96
17) Carbon Disulfide	4.198	76	347455	47.70	ug/l	100
18) Methyl Acetate	4.485	43	112311	54.58	ug/l	95
19) Methyl tert-butyl Ether	5.228	73	360181	54.89	ug/l	98
20) Methylene Chloride	4.722	84	166653	56.89	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	141443	52.19	ug/l	94
22) Diisopropyl ether	6.125	45	470572	52.48	ug/l	99
23) Vinyl Acetate	6.070	43	1741607	258.62	ug/l	99
24) 1,1-Dichloroethane	6.027	63	269004	53.31	ug/l	99
25) 2-Butanone	6.996	43	313843	273.78	ug/l	99
26) 2,2-Dichloropropane	6.990	77	214963	48.78	ug/l	97
27) cis-1,2-Dichloroethene	6.996	96	165447	54.97	ug/l	96
28) Bromochloromethane	7.338	49	121287	49.21	ug/l	98
29) Tetrahydrofuran	7.356	42	195383	267.19	ug/l	95
30) Chloroform	7.515	83	266356	53.58	ug/l	98
31) Cyclohexane	7.789	56	222803	47.91	ug/l	96
32) 1,1,1-Trichloroethane	7.704	97	229709	51.55	ug/l	98
36) 1,1-Dichloropropene	7.923	75	206289	48.72	ug/l	99
37) Ethyl Acetate	7.082	43	143211	49.36	ug/l	97
38) Carbon Tetrachloride	7.905	117	186006	48.88	ug/l	98
39) Methylcyclohexane	9.185	83	230791	49.99	ug/l	98
40) Benzene	8.167	78	609293	50.91	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.320	41	81975	51.70	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	185964	49.20	ug/l	99
43) Isopropyl Acetate	8.277	43	273705	50.82	ug/l	97
44) Trichloroethene	8.941	130	160767	49.97	ug/l	96
45) 1,2-Dichloropropane	9.216	63	164525	52.55	ug/l	99
46) Dibromomethane	9.307	93	88906	51.05	ug/l	99
47) Bromodichloromethane	9.502	83	210272	50.91	ug/l	99
48) Methyl methacrylate	9.295	41	126948	51.79	ug/l	94
49) 1,4-Dioxane	9.301	88	20502	999.86	ug/l	87
51) 4-Methyl-2-Pentanone	10.075	43	729999	251.90	ug/l	97
52) Toluene	10.246	92	371819	49.20	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	230643	50.40	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	254843	50.05	ug/l	95
55) 1,1,2-Trichloroethane	10.648	97	121611	50.75	ug/l	97
56) Ethyl methacrylate	10.508	69	184701	53.29	ug/l	96
57) 1,3-Dichloropropane	10.795	76	223108	52.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	450858	252.03	ug/l	100
59) 2-Hexanone	10.837	43	512535	261.00	ug/l	95
60) Dibromochloromethane	10.983	129	147098	51.62	ug/l	99
61) 1,2-Dibromoethane	11.087	107	122285	52.92	ug/l	98
64) Tetrachloroethene	10.721	164	169420	49.32	ug/l	97
65) Chlorobenzene	11.514	112	397601	50.82	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.593	131	147854	51.98	ug/l	98
67) Ethyl Benzene	11.593	91	738285	50.78	ug/l	99
68) m/p-Xylenes	11.703	106	547341	100.20	ug/l	99
69) o-Xylene	12.026	106	261987	51.32	ug/l	99
70) Styrene	12.044	104	443203	51.79	ug/l	99
71) Bromoform	12.209	173	90543	52.54	ug/l #	98
73) Isopropylbenzene	12.331	105	697183	53.82	ug/l	100
74) N-amyl acetate	12.142	43	244396	53.36	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	139137	53.82	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	92037m	50.46	ug/l	
77) Bromobenzene	12.611	156	152527	52.14	ug/l	99
78) n-propylbenzene	12.672	91	828916	52.43	ug/l	100
79) 2-Chlorotoluene	12.758	91	461813	53.24	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	569860	52.97	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	55062	52.34	ug/l	98
82) 4-Chlorotoluene	12.855	91	485312	53.87	ug/l	99
83) tert-Butylbenzene	13.075	119	485051	52.81	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	589255	54.72	ug/l	98
85) sec-Butylbenzene	13.251	105	702347	52.60	ug/l	100
86) p-Isopropyltoluene	13.367	119	607861	52.51	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	295048	51.43	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	291941	51.64	ug/l	100
89) n-Butylbenzene	13.696	91	586014	51.78	ug/l	99
90) Hexachloroethane	13.959	117	87820	53.87	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	267450	52.84	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.355	75	24873	51.49	ug/l	94
93) 1,2,4-Trichlorobenzene	15.007	180	163161	50.05	ug/l	99
94) Hexachlorobutadiene	15.111	225	87990	49.82	ug/l	100
95) Naphthalene	15.233	128	396558	56.20	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	149207	51.71	ug/l	98

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

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