

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051121\
 Data File : VY004745.D
 Acq On : 11 May 2021 15:49
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/12/2021 10:43:06 AM

Quant Time: May 12 01:00:08 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	7.801	168	182260	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	297372	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	273462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129866	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	112653	51.93	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.86%			
35) Dibromofluoromethane	7.734	113	89053	54.70	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.40%			
50) Toluene-d8	10.185	98	380997	51.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.62%			
62) 4-Bromofluorobenzene	12.483	95	127977	51.56	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.12%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.912	85	77460	46.41	ug/l	100
3) Chloromethane	2.119	50	117551	43.46	ug/l	98
4) Vinyl Chloride	2.259	62	120003	43.36	ug/l	99
5) Bromomethane	2.662	94	68347	48.42	ug/l	97
6) Chloroethane	2.802	64	77017	47.16	ug/l	96
7) Trichlorofluoromethane	3.137	101	158166	48.14	ug/l	97
8) Diethyl Ether	3.540	74	55564	47.87	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.912	101	89094	47.80	ug/l	99
10) Methyl Iodide	4.107	142	103972	52.17	ug/l	100
11) Tert butyl alcohol	4.979	59	44955	206.19	ug/l	98
12) 1,1-Dichloroethene	3.887	96	86130	47.81	ug/l	98
13) Acrolein	3.741	56	58621	228.71	ug/l	96
14) Allyl chloride	4.491	41	169359	48.10	ug/l	99
15) Acrylonitrile	5.180	53	130821	224.82	ug/l	98
16) Acetone	3.966	43	110897	227.58	ug/l	98
17) Carbon Disulfide	4.210	76	275143	50.01	ug/l	99
18) Methyl Acetate	4.491	43	67808	43.64	ug/l	98
19) Methyl tert-butyl Ether	5.235	73	238909	48.21	ug/l	99
20) Methylene Chloride	4.735	84	109871	48.36	ug/l	99
21) trans-1,2-Dichloroethene	5.235	96	101031	49.36	ug/l	97
22) Diisopropyl ether	6.137	45	338812	50.03	ug/l	99
23) Vinyl Acetate	6.076	43	1228799	241.62	ug/l	99
24) 1,1-Dichloroethane	6.033	63	189250	49.67	ug/l	99
25) 2-Butanone	7.003	43	195926	226.32	ug/l	98
26) 2,2-Dichloropropane	6.996	77	164575	49.45	ug/l	100
27) cis-1,2-Dichloroethene	7.003	96	113619	49.99	ug/l	99
28) Bromochloromethane	7.350	49	99097	53.24	ug/l	99
29) Tetrahydrofuran	7.362	42	124635	225.69	ug/l	98
30) Chloroform	7.521	83	187438	49.93	ug/l	99
31) Cyclohexane	7.795	56	157538	44.86	ug/l	90
32) 1,1,1-Trichloroethane	7.716	97	165711	49.24	ug/l	100
36) 1,1-Dichloropropene	7.929	75	147496	48.40	ug/l	100
37) Ethyl Acetate	7.088	43	94149	45.08	ug/l	99
38) Carbon Tetrachloride	7.911	117	137459	50.18	ug/l	98
39) Methylcyclohexane	9.191	83	160094	48.17	ug/l	99
40) Benzene	8.173	78	426781	49.54	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	51958	45.53	ug/l #	100
42) 1,2-Dichloroethane	8.246	62	132690	48.77	ug/l	99
43) Isopropyl Acetate	8.283	43	179138	46.21	ug/l	99
44) Trichloroethene	8.947	130	112854	48.73	ug/l	97
45) 1,2-Dichloropropane	9.228	63	112683	50.00	ug/l	97
46) Dibromomethane	9.313	93	60468	48.24	ug/l	100
47) Bromodichloromethane	9.502	83	147451	49.59	ug/l	100
48) Methyl methacrylate	9.301	41	82564	46.80	ug/l	99
49) 1,4-Dioxane	9.307	88	12900	874.02	ug/l	96
51) 4-Methyl-2-Pentanone	10.081	43	478802	229.54	ug/l	99
52) Toluene	10.252	92	266737	49.04	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	161324	48.98	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	179357	48.94	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	82867	48.04	ug/l	97
56) Ethyl methacrylate	10.514	69	120135	48.16	ug/l	99
57) 1,3-Dichloropropane	10.795	76	149946	48.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	294917	229.03	ug/l	100
59) 2-Hexanone	10.837	43	323752	229.04	ug/l	99
60) Dibromochloromethane	10.990	129	99953	48.73	ug/l	99
61) 1,2-Dibromoethane	11.093	107	79475	47.78	ug/l	98
64) Tetrachloroethene	10.721	164	117674	47.63	ug/l	98
65) Chlorobenzene	11.520	112	276422	49.12	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	101258	49.49	ug/l	100
67) Ethyl Benzene	11.599	91	517563	49.50	ug/l	98
68) m/p-Xylenes	11.709	106	393806	100.24	ug/l	100
69) o-Xylene	12.032	106	185163	50.43	ug/l	98
70) Styrene	12.050	104	316664	51.44	ug/l	100
71) Bromoform	12.215	173	59568	48.06	ug/l #	100
73) Isopropylbenzene	12.331	105	498863	50.92	ug/l	100
74) N-amyl acetate	12.148	43	167719	48.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	94006	48.08	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	72010m	52.20	ug/l	
77) Bromobenzene	12.611	156	110974	50.17	ug/l	98
78) n-propylbenzene	12.678	91	598673	50.07	ug/l	100
79) 2-Chlorotoluene	12.764	91	331432	50.52	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	414494	50.94	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	37037	46.56	ug/l	97
82) 4-Chlorotoluene	12.861	91	348695	51.18	ug/l	100
83) tert-Butylbenzene	13.081	119	353377	50.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	413633	50.79	ug/l	100
85) sec-Butylbenzene	13.258	105	511479	50.65	ug/l	100
86) p-Isopropyltoluene	13.373	119	445638	50.91	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	214658	49.47	ug/l	99
88) 1,4-Dichlorobenzene	13.453	146	211190	49.39	ug/l	100
89) n-Butylbenzene	13.703	91	419807	49.05	ug/l	100
90) Hexachloroethane	13.965	117	61906	50.21	ug/l	100
91) 1,2-Dichlorobenzene	13.745	146	188586	49.27	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	16217	44.40	ug/l	99
93) 1,2,4-Trichlorobenzene	15.013	180	113050	45.85	ug/l	98
94) Hexachlorobutadiene	15.117	225	62543	46.83	ug/l	97
95) Naphthalene	15.239	128	244519	45.83	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	100878	46.23	ug/l	99

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

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