

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061121\
 Data File : VY005138.D
 Acq On : 11 Jun 2021 20:31
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/14/2021 2:06:25 PM

Quant Time: Jun 12 00:38:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	169725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	276533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	265210	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	93685	52.213	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.420%			
35) Dibromofluoromethane	7.728	113	75393	50.675	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.340%			
50) Toluene-d8	10.185	98	315604	51.077	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.160%			
62) 4-Bromofluorobenzene	12.483	95	108852	51.223	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.440%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	84342	54.724	ug/l	99
3) Chloromethane	2.113	50	104989	49.889	ug/l	98
4) Vinyl Chloride	2.253	62	98119	48.463	ug/l	98
5) Bromomethane	2.656	94	56258	49.028	ug/l	99
6) Chloroethane	2.802	64	58924	48.657	ug/l	98
7) Trichlorofluoromethane	3.131	101	166735	58.225	ug/l	97
8) Diethyl Ether	3.534	74	59691	53.686	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.912	101	89023	50.969	ug/l	96
10) Methyl Iodide	4.101	142	105314	63.163	ug/l	96
11) Tert butyl alcohol	4.972	59	48454	234.817	ug/l	100
12) 1,1-Dichloroethene	3.875	96	90967	52.152	ug/l	93
13) Acrolein	3.741	56	44239	235.044	ug/l	99
14) Allyl chloride	4.491	41	138272	43.478	ug/l	91
15) Acrylonitrile	5.174	53	132248	252.943	ug/l	99
16) Acetone	3.954	43	109950	254.554	ug/l	99
17) Carbon Disulfide	4.204	76	251717	46.928	ug/l	98
18) Methyl Acetate	4.491	43	64280	46.440	ug/l	91
19) Methyl tert-butyl Ether	5.235	73	251269	55.961	ug/l	94
20) Methylene Chloride	4.723	84	143880	71.800	ug/l	86
21) trans-1,2-Dichloroethene	5.235	96	102282	52.240	ug/l	95
22) Diisopropyl ether	6.131	45	267138	45.757	ug/l #	96
23) Vinyl Acetate	6.070	43	979165	230.521	ug/l	96
24) 1,1-Dichloroethane	6.033	63	175126	49.840	ug/l	98
25) 2-Butanone	6.997	43	171188	235.697	ug/l	90
26) 2,2-Dichloropropane	6.990	77	147029	49.508	ug/l	100
27) cis-1,2-Dichloroethene	6.997	96	117591	54.805	ug/l	92
28) Bromochloromethane	7.344	49	66381	42.290	ug/l #	80
29) Tetrahydrofuran	7.356	42	103792	224.696	ug/l #	86
30) Chloroform	7.521	83	187999	56.424	ug/l	96
31) Cyclohexane	7.795	56	131523	41.633	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	170987	58.502	ug/l	98
36) 1,1-Dichloropropene	7.923	75	137061	50.644	ug/l	98
37) Ethyl Acetate	7.082	43	81222	45.625	ug/l	96
38) Carbon Tetrachloride	7.905	117	144667	61.422	ug/l	97
39) Methylcyclohexane	9.191	83	149727	50.085	ug/l	92
40) Benzene	8.167	78	407502	52.624	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	40882m	41.773	ug/l	
42) 1,2-Dichloroethane	8.246	62	130811	58.514	ug/l	99
43) Isopropyl Acetate	8.283	43	147947	46.291	ug/l #	93
44) Trichloroethene	8.947	130	117504	57.979	ug/l	92
45) 1,2-Dichloropropane	9.222	63	97528	48.122	ug/l	95
46) Dibromomethane	9.313	93	61013	56.369	ug/l	95
47) Bromodichloromethane	9.502	83	145024	57.070	ug/l	96
48) Methyl methacrylate	9.295	41	66774	45.919	ug/l	87
49) 1,4-Dioxane	9.307	88	14828	1134.704	ug/l #	96
51) 4-Methyl-2-Pentanone	10.075	43	388112	231.645	ug/l	95
52) Toluene	10.246	92	259010	55.278	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	152337	54.163	ug/l	98
54) cis-1,3-Dichloropropene	9.935	75	167739	52.492	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	86422	57.445	ug/l	97
56) Ethyl methacrylate	10.514	69	118813	55.164	ug/l	92
57) 1,3-Dichloropropane	10.795	76	144410	53.944	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	249605	229.324	ug/l #	90
59) 2-Hexanone	10.837	43	273090	241.145	ug/l	96
60) Dibromochloromethane	10.990	129	107755	62.971	ug/l	99
61) 1,2-Dibromoethane	11.093	107	83170	57.641	ug/l	99
64) Tetrachloroethene	10.721	164	125844	56.746	ug/l	97
65) Chlorobenzene	11.520	112	281950	53.657	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.593	131	106808	57.017	ug/l	97
67) Ethyl Benzene	11.593	91	503541	51.853	ug/l	98
68) m/p-Xylenes	11.703	106	384391	105.648	ug/l	100
69) o-Xylene	12.032	106	186084	54.921	ug/l	98
70) Styrene	12.044	104	314126	55.646	ug/l	99
71) Bromoform	12.209	173	66418	60.134	ug/l #	99
73) Isopropylbenzene	12.331	105	498459	50.981	ug/l	100
74) N-amyl acetate	12.148	43	131714	41.753	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.587	83	91816	46.780	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	69524m	49.000	ug/l	
77) Bromobenzene	12.611	156	118681	54.325	ug/l	90
78) n-propylbenzene	12.672	91	582743	49.446	ug/l	98
79) 2-Chlorotoluene	12.758	91	326017	49.622	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	422524	52.382	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	34525	44.719	ug/l	97
82) 4-Chlorotoluene	12.855	91	337224	50.230	ug/l	98
83) tert-Butylbenzene	13.075	119	368643	54.028	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	426235	53.172	ug/l	100
85) sec-Butylbenzene	13.258	105	504031	50.741	ug/l	97
86) p-Isopropyltoluene	13.373	119	451901	53.034	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	221882	53.354	ug/l	99
88) 1,4-Dichlorobenzene	13.447	146	219300	52.873	ug/l	99
89) n-Butylbenzene	13.697	91	408551	49.850	ug/l	98
90) Hexachloroethane	13.965	117	67563	53.421	ug/l	95
91) 1,2-Dichlorobenzene	13.739	146	202875	55.213	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.361	75	17370	53.450	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	129576	56.153	ug/l	99
94) Hexachlorobutadiene	15.111	225	70655	58.035	ug/l	99
95) Naphthalene	15.239	128	297862	58.716	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	119198	58.677	ug/l	99

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

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