

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070721\
 Data File : VY005381.D
 Acq On : 07 Jul 2021 21:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/8/2021 6:44:54 PM

Quant Time: Jul 08 02:08:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	298003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	403640	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	388528	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	220049	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	99309	40.157	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.320%		
35) Dibromofluoromethane	7.722	113	114679	48.175	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.340%		
50) Toluene-d8	10.185	98	464391	48.782	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.560%		
62) 4-Bromofluorobenzene	12.483	95	161981	51.062	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	102.120%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	68356	34.884	ug/l	99
3) Chloromethane	2.113	50	62382	23.903	ug/l	99
4) Vinyl Chloride	2.253	62	86888	29.120	ug/l	99
5) Bromomethane	2.644	94	79088	41.789	ug/l	98
6) Chloroethane	2.790	64	59827	30.661	ug/l	99
7) Trichlorofluoromethane	3.125	101	169361	42.458	ug/l	99
8) Diethyl Ether	3.534	74	62565	41.926	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.900	101	105007	42.998	ug/l	88
10) Methyl Iodide	4.095	142	147993	42.600	ug/l	98
11) Tert butyl alcohol	4.979	59	62035	188.658	ug/l	99
12) 1,1-Dichloroethene	3.875	96	107808	43.694	ug/l #	83
13) Acrolein	3.741	56	14589	120.060	ug/l	92
14) Allyl chloride	4.485	41	103949	29.330	ug/l #	89
15) Acrylonitrile	5.174	53	130367	188.067	ug/l	99
16) Acetone	3.960	43	88127	154.258	ug/l	91
17) Carbon Disulfide	4.198	76	280696	36.171	ug/l	100
18) Methyl Acetate	4.491	43	49149	32.372	ug/l #	82
19) Methyl tert-butyl Ether	5.235	73	285148	42.271	ug/l	94
20) Methylene Chloride	4.723	84	136667	44.285	ug/l #	82
21) trans-1,2-Dichloroethene	5.222	96	125999	45.862	ug/l #	82
22) Diisopropyl ether	6.131	45	227013	30.812	ug/l #	90
23) Vinyl Acetate	6.070	43	754513	158.253	ug/l #	85
24) 1,1-Dichloroethane	6.027	63	166135	36.333	ug/l	94
25) 2-Butanone	6.997	43	137377	164.911	ug/l #	80
26) 2,2-Dichloropropane	6.990	77	147439	36.976	ug/l	95
27) cis-1,2-Dichloroethene	6.997	96	147029	47.584	ug/l	83
28) Bromochloromethane	7.344	49	57671	31.523	ug/l #	36
29) Tetrahydrofuran	7.356	42	92492	168.756	ug/l #	75
30) Chloroform	7.515	83	205056	44.068	ug/l	99
31) Cyclohexane	7.789	56	140403	31.801	ug/l #	77
32) 1,1,1-Trichloroethane	7.710	97	187209	45.109	ug/l	96
36) 1,1-Dichloropropene	7.923	75	144987	40.792	ug/l	92
37) Ethyl Acetate	7.082	43	61933	33.790	ug/l #	90
38) Carbon Tetrachloride	7.905	117	182454	49.038	ug/l	100
39) Methylcyclohexane	9.185	83	198982	43.258	ug/l	88
40) Benzene	8.167	78	471685	45.005	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.326	41	33675m	33.128	ug/l	
42) 1,2-Dichloroethane	8.246	62	121479	42.673	ug/l	94
43) Isopropyl Acetate	8.283	43	113211	33.604	ug/l #	85
44) Trichloroethene	8.941	130	159797	53.929	ug/l	91
45) 1,2-Dichloropropane	9.222	63	98462	39.261	ug/l	97
46) Dibromomethane	9.307	93	70169	48.111	ug/l #	84
47) Bromodichloromethane	9.502	83	159497	46.640	ug/l #	99
48) Methyl methacrylate	9.301	41	51919	35.128	ug/l #	82
49) 1,4-Dioxane	9.301	88	23278	1213.701	ug/l #	82
51) 4-Methyl-2-Pentanone	10.075	43	326139	184.954	ug/l	89
52) Toluene	10.246	92	337611	50.397	ug/l	98
53) t-1,3-Dichloropropene	10.472	75	167967	44.869	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	186585	44.210	ug/l #	92
55) 1,1,2-Trichloroethane	10.648	97	112424	52.784	ug/l	95
56) Ethyl methacrylate	10.514	69	136321	47.150	ug/l #	86
57) 1,3-Dichloropropane	10.795	76	169200	47.430	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.789	63	255320	200.219	ug/l #	82
59) 2-Hexanone	10.837	43	235444	194.130	ug/l	88
60) Dibromochloromethane	10.990	129	149146	57.165	ug/l	100
61) 1,2-Dibromoethane	11.093	107	110749	53.455	ug/l	99
64) Tetrachloroethene	10.721	164	156676	54.647	ug/l	96
65) Chlorobenzene	11.520	112	402720	52.296	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	156310	54.687	ug/l	98
67) Ethyl Benzene	11.593	91	640936	48.267	ug/l	95
68) m/p-Xylenes	11.703	106	545018	102.444	ug/l	94
69) o-Xylene	12.032	106	265260	52.654	ug/l	94
70) Styrene	12.044	104	456234	53.861	ug/l	96
71) Bromoform	12.209	173	115368	59.318	ug/l #	100
73) Isopropylbenzene	12.331	105	674638	47.269	ug/l	99
74) N-amyl acetate	12.148	43	109747	32.491	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.587	83	123913	44.061	ug/l	98
76) 1,2,3-Trichloropropane	12.636	75	97600m	50.011	ug/l	
77) Bromobenzene	12.611	156	196757	51.953	ug/l	86
78) n-propylbenzene	12.672	91	756361	44.943	ug/l	96
79) 2-Chlorotoluene	12.758	91	432526	45.559	ug/l	94
80) 1,3,5-Trimethylbenzene	12.813	105	572949	48.527	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.380	75	42291	40.431	ug/l	90
82) 4-Chlorotoluene	12.855	91	449733	45.790	ug/l	94
83) tert-Butylbenzene	13.075	119	523094	49.696	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	574179	49.189	ug/l	97
85) sec-Butylbenzene	13.258	105	744200	48.597	ug/l	97
86) p-Isopropyltoluene	13.373	119	662658	50.153	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	376443	52.064	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	374150	52.328	ug/l	98
89) n-Butylbenzene	13.697	91	529626	45.631	ug/l	98
90) Hexachloroethane	13.965	117	117437	49.202	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	340724	53.157	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.355	75	20778	44.355	ug/l	79
93) 1,2,4-Trichlorobenzene	15.007	180	234147	51.829	ug/l	99
94) Hexachlorobutadiene	15.111	225	145500	51.462	ug/l	100
95) Naphthalene	15.239	128	442106	53.022	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	209977	52.775	ug/l	100

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

