

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060821\
 Data File : VY005010.D
 Acq On : 08 Jun 2021 09:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/9/2021 4:22:02 PM

Quant Time: Jun 09 03:46:10 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	7.795	168	219762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	358491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	324637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	152276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	112941	48.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.220%
35) Dibromofluoromethane	7.722	113	94767	49.135	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.260%
50) Toluene-d8	10.185	98	403595	50.385	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.760%
62) 4-Bromofluorobenzene	12.483	95	134105	48.679	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	101717	50.970	ug/l	99
3) Chloromethane	2.119	50	142055	52.133	ug/l	99
4) Vinyl Chloride	2.259	62	136297	51.992	ug/l	100
5) Bromomethane	2.656	94	73261	49.309	ug/l	93
6) Chloroethane	2.802	64	81440	51.938	ug/l	99
7) Trichlorofluoromethane	3.131	101	198794	53.614	ug/l	98
8) Diethyl Ether	3.540	74	74237	51.566	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.905	101	122149	54.012	ug/l	99
10) Methyl Iodide	4.101	142	119233	55.229	ug/l	97
11) Tert butyl alcohol	4.972	59	59392	222.291	ug/l	99
12) 1,1-Dichloroethene	3.881	96	117547	52.047	ug/l	99
13) Acrolein	3.735	56	73090	309.153	ug/l	99
14) Allyl chloride	4.491	41	221035	53.677	ug/l	99
15) Acrylonitrile	5.174	53	185035	273.325	ug/l	99
16) Acetone	3.960	43	126371	225.957	ug/l	100
17) Carbon Disulfide	4.198	76	363878	52.393	ug/l	98
18) Methyl Acetate	4.485	43	97730	54.530	ug/l	100
19) Methyl tert-butyl Ether	5.234	73	315937	54.343	ug/l	97
20) Methylene Chloride	4.728	84	145409	54.565	ug/l	99
21) trans-1,2-Dichloroethene	5.228	96	133994	52.854	ug/l	97
22) Diisopropyl ether	6.125	45	425140	56.240	ug/l	99
23) Vinyl Acetate	6.070	43	1562707	284.135	ug/l	100
24) 1,1-Dichloroethane	6.027	63	250850	55.136	ug/l	99
25) 2-Butanone	6.996	43	240652	255.896	ug/l	100
26) 2,2-Dichloropropane	6.990	77	212532	55.270	ug/l	99
27) cis-1,2-Dichloroethene	6.996	96	150553	54.192	ug/l	99
28) Bromochloromethane	7.338	49	108214	53.243	ug/l	94
29) Tetrahydrofuran	7.356	42	159740	267.079	ug/l	96
30) Chloroform	7.515	83	224140	51.954	ug/l	99
31) Cyclohexane	7.789	56	203312	49.704	ug/l	98
32) 1,1,1-Trichloroethane	7.710	97	195255	51.595	ug/l	99
36) 1,1-Dichloropropene	7.923	75	181024	51.597	ug/l	99
37) Ethyl Acetate	7.082	43	123518	53.521	ug/l	99
38) Carbon Tetrachloride	7.905	117	164918	54.012	ug/l	97
39) Methylcyclohexane	9.185	83	204443	52.754	ug/l	99
40) Benzene	8.167	78	524126	52.211	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	67539	53.234	ug/l #	100
42) 1,2-Dichloroethane	8.240	62	151610	52.313	ug/l	100
43) Isopropyl Acetate	8.277	43	215677	52.055	ug/l	99
44) Trichloroethene	8.941	130	137365	52.283	ug/l	94
45) 1,2-Dichloropropane	9.222	63	139187	52.977	ug/l	97
46) Dibromomethane	9.307	93	74407	53.028	ug/l	99
47) Bromodichloromethane	9.502	83	174595	52.999	ug/l	98
48) Methyl methacrylate	9.301	41	97073	51.494	ug/l	98
49) 1,4-Dioxane	9.307	88	16118	951.437	ug/l	99
51) 4-Methyl-2-Pentanone	10.075	43	583583	268.681	ug/l	100
52) Toluene	10.246	92	323612	53.275	ug/l	100
53) t-1,3-Dichloropropene	10.471	75	193278	53.009	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	221952	53.578	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	104628	53.647	ug/l	99
56) Ethyl methacrylate	10.514	69	150242	53.809	ug/l	99
57) 1,3-Dichloropropane	10.794	76	186073	53.616	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.789	63	358268	253.905	ug/l	100
59) 2-Hexanone	10.837	43	394522	268.728	ug/l	99
60) Dibromochloromethane	10.990	129	121784	54.899	ug/l	100
61) 1,2-Dibromoethane	11.093	107	98699	52.765	ug/l	99
64) Tetrachloroethene	10.721	164	143441	52.841	ug/l	99
65) Chlorobenzene	11.520	112	334811	52.053	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	122835	53.569	ug/l	99
67) Ethyl Benzene	11.593	91	627105	52.756	ug/l	100
68) m/p-Xylenes	11.703	106	469724	105.468	ug/l	99
69) o-Xylene	12.032	106	219182	52.848	ug/l	99
70) Styrene	12.044	104	375471	54.337	ug/l	99
71) Bromoform	12.209	173	71893	53.175	ug/l #	98
73) Isopropylbenzene	12.331	105	594705	51.700	ug/l	100
74) N-amyl acetate	12.148	43	193713	52.195	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.587	83	118667	51.391	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	85761m	51.377	ug/l	
77) Bromobenzene	12.611	156	131935	51.333	ug/l	99
78) n-propylbenzene	12.672	91	736612	53.126	ug/l	100
79) 2-Chlorotoluene	12.758	91	391344	50.630	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	498784	52.561	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	47069	51.821	ug/l #	74
82) 4-Chlorotoluene	12.855	91	408127	51.672	ug/l	99
83) tert-Butylbenzene	13.075	119	425543	53.012	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	497466	52.749	ug/l	100
85) sec-Butylbenzene	13.257	105	622674	53.282	ug/l	100
86) p-Isopropyltoluene	13.373	119	536205	53.488	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	254596	52.037	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	253256	51.900	ug/l	100
89) n-Butylbenzene	13.696	91	526056	54.559	ug/l	99
90) Hexachloroethane	13.965	117	81206	54.577	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	226236	52.335	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	19578	51.207	ug/l	99
93) 1,2,4-Trichlorobenzene	15.007	180	144519	53.234	ug/l	99
94) Hexachlorobutadiene	15.111	225	77227	53.918	ug/l	99
95) Naphthalene	15.239	128	319217	53.486	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	126241	52.822	ug/l	99

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

