

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021522\
 Data File : VY007505.D
 Acq On : 15 Feb 2022 16:59
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/16/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 16 01:42:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	20473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	33876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	32433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	15306	67.716	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.440%			
35) Dibromofluoromethane	7.722	113	12712	59.504	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 119.000%			
50) Toluene-d8	10.185	98	45116	55.603	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.200%			
62) 4-Bromofluorobenzene	12.483	95	16824	61.150	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.300%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.912	85	8715	38.480	ug/l	94
3) Chloromethane	2.119	50	8818	46.800	ug/l	97
4) Vinyl Chloride	2.260	62	8438	37.030	ug/l #	80
5) Bromomethane	2.668	94	6327	46.888	ug/l	98
6) Chloroethane	2.808	64	5429	40.263	ug/l	89
7) Trichlorofluoromethane	3.137	101	17297	39.935	ug/l	98
8) Diethyl Ether	3.534	74	6912	55.217	ug/l	74
9) 1,1,2-Trichlorotrifluo...	3.912	101	9294	39.025	ug/l	96
10) Methyl Iodide	4.101	142	18621	63.339	ug/l	100
11) Tert butyl alcohol	4.942	59	5729	324.013	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	8830	39.721	ug/l	82
13) Acrolein	3.735	56	4185	235.698	ug/l	88
14) Allyl chloride	4.485	41	13504	43.220	ug/l #	81
15) Acrylonitrile	5.161	53	16727	303.529	ug/l	98
16) Acetone	3.954	43	14143	235.838	ug/l	93
17) Carbon Disulfide	4.198	76	23710	37.029	ug/l	99
18) Methyl Acetate	4.479	43	7294	55.799	ug/l #	88
19) Methyl tert-butyl Ether	5.222	73	38179	61.926	ug/l #	89
20) Methylene Chloride	4.722	84	12763	51.927	ug/l #	78
21) trans-1,2-Dichloroethene	5.228	96	10368	42.685	ug/l	94
22) Diisopropyl ether	6.119	45	35564	54.140	ug/l #	88
23) Vinyl Acetate	6.064	43	125578	299.651	ug/l #	87
24) 1,1-Dichloroethane	6.027	63	20101	48.962	ug/l	97
25) 2-Butanone	6.990	43	20137	271.201	ug/l	93
26) 2,2-Dichloropropane	6.984	77	19427	47.224	ug/l	96
27) cis-1,2-Dichloroethene	6.990	96	14536	53.690	ug/l	86
28) Bromochloromethane	7.338	49	9218	58.585	ug/l #	66
29) Tetrahydrofuran	7.350	42	13219	303.378	ug/l #	82
30) Chloroform	7.509	83	24166	54.529	ug/l	92
31) Cyclohexane	7.789	56	14708	36.796	ug/l	91
32) 1,1,1-Trichloroethane	7.704	97	20793	49.268	ug/l	94
36) 1,1-Dichloropropene	7.923	75	14635	42.284	ug/l	95
37) Ethyl Acetate	7.076	43	9425	60.269	ug/l	97
38) Carbon Tetrachloride	7.905	117	17926	45.580	ug/l	94
39) Methylcyclohexane	9.185	83	17414	38.752	ug/l	90
40) Benzene	8.167	78	45560	47.874	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	5452	53.704	ug/l #	1
42) 1,2-Dichloroethane	8.240	62	18396	63.258	ug/l	96
43) Isopropyl Acetate	8.277	43	18898	59.499	ug/l #	90
44) Trichloroethene	8.941	130	12762	47.272	ug/l	99
45) 1,2-Dichloropropane	9.222	63	11775	52.038	ug/l	99
46) Dibromomethane	9.307	93	8845	62.948	ug/l	94
47) Bromodichloromethane	9.496	83	20164	59.092	ug/l	98
48) Methyl methacrylate	9.295	41	7997	56.816	ug/l #	77
49) 1,4-Dioxane	9.295	88	2227	1472.266	ug/l	89
51) 4-Methyl-2-Pentanone	10.069	43	46735	296.279	ug/l	93
52) Toluene	10.246	92	44156	72.362	ug/l	99
53) t-1,3-Dichloropropene	10.471	75	20815	58.423	ug/l	99
54) cis-1,3-Dichloropropene	9.935	75	22385	56.306	ug/l	89
55) 1,1,2-Trichloroethane	10.642	97	11756	63.080	ug/l	94
56) Ethyl methacrylate	10.514	69	15265	60.911	ug/l #	86
57) 1,3-Dichloropropane	10.795	76	19630	61.163	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.783	63	38310	293.373	ug/l	90
59) 2-Hexanone	10.837	43	32362	284.172	ug/l	90
60) Dibromochloromethane	10.990	129	15188	64.627	ug/l	98
61) 1,2-Dibromoethane	11.093	107	11244	60.512	ug/l	99
64) Tetrachloroethene	10.721	164	12257	47.921	ug/l	94
65) Chlorobenzene	11.520	112	35912	50.554	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	14465	53.916	ug/l	98
67) Ethyl Benzene	11.599	91	89659	67.438	ug/l	99
68) m/p-Xylenes	11.703	106	84332	167.608	ug/l	99
69) o-Xylene	12.032	106	45462	95.490	ug/l	96
70) Styrene	12.044	104	41680	53.245	ug/l	90
71) Bromoform	12.209	173	8748	59.201	ug/l #	98
73) Isopropylbenzene	12.331	105	64046	46.544	ug/l	99
74) N-amyl acetate	12.148	43	16012	51.400	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.587	83	12054	51.143	ug/l	97
76) 1,2,3-Trichloropropane	12.636	75	8860m	49.369	ug/l	
77) Bromobenzene	12.611	156	14759	49.948	ug/l	98
78) n-propylbenzene	12.672	91	90104	54.417	ug/l	98
79) 2-Chlorotoluene	12.764	91	57866	63.392	ug/l	85
80) 1,3,5-Trimethylbenzene	12.813	105	86831	76.182	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.386	75	4296	49.754	ug/l	94
82) 4-Chlorotoluene	12.855	91	44527	47.583	ug/l	100
83) tert-Butylbenzene	13.081	119	43731	43.898	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	201680	182.492	ug/l	98
85) sec-Butylbenzene	13.258	105	64067	43.629	ug/l	100
86) p-Isopropyltoluene	13.373	119	54566	45.112	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	28168	48.965	ug/l	98
88) 1,4-Dichlorobenzene	13.447	146	27869	48.823	ug/l	97
89) n-Butylbenzene	13.696	91	62565	54.393	ug/l	93
90) Hexachloroethane	13.971	117	13174	56.999	ug/l	62
91) 1,2-Dichlorobenzene	13.739	146	24767	48.884	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2475	61.852	ug/l	90
93) 1,2,4-Trichlorobenzene	15.013	180	14136	46.605	ug/l	90
94) Hexachlorobutadiene	15.117	225	7217	41.023	ug/l	93
95) Naphthalene	15.239	128	110800	167.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	11427	43.565	ug/l #	90

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

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