

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011914.D
 Acq On : 20 Dec 2022 11:29
 Operator : KP/MD
 Sample : VSTDICCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/21/2022
 Supervised By :Mahesh Dadoda 12/21/2022

Quant Time: Dec 20 11:47:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 11:47:50 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	237695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	362200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	162442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	121163	62.766	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.540%			
35) Dibromofluoromethane	7.722	113	112529	61.604	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.200%			
50) Toluene-d8	10.179	98	459552	71.718	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 143.440%#			
62) 4-Bromofluorobenzene	12.483	95	153188	62.262	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 124.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	105259	81.120	ug/l	99
3) Chloromethane	2.113	50	112980	77.724	ug/l	99
4) Vinyl Chloride	2.253	62	125538	73.777	ug/l	99
5) Bromomethane	2.650	94	84427	71.909	ug/l	96
6) Chloroethane	2.796	64	80278	68.108	ug/l	99
7) Trichlorofluoromethane	3.131	101	214336	65.597	ug/l	100
8) Diethyl Ether	3.534	74	65479	57.212	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.899	101	116511	59.733	ug/l	98
10) Methyl Iodide	4.095	142	173487	75.966	ug/l	97
11) Tert butyl alcohol	4.948	59	58975	202.932	ug/l	99
12) 1,1-Dichloroethene	3.875	96	118149	67.164	ug/l	95
13) Acrolein	3.729	56	51504	153.707	ug/l	99
14) Allyl chloride	4.485	41	174536	59.731	ug/l	96
15) Acrylonitrile	5.161	53	155922	253.819	ug/l	99
16) Acetone	3.942	43	193691	298.429	ug/l	97
17) Carbon Disulfide	4.198	76	378563	94.233	ug/l	99
18) Methyl Acetate	4.479	43	84707	46.213	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	309238	56.145	ug/l	99
20) Methylene Chloride	4.716	84	145128	48.787	ug/l	96
21) trans-1,2-Dichloroethene	5.222	96	135120	68.341	ug/l	95
22) Diisopropyl ether	6.125	45	349070	54.754	ug/l	96
23) Vinyl Acetate	6.064	43	1037605	285.289	ug/l	98
24) 1,1-Dichloroethane	6.015	63	217946	56.257	ug/l	99
25) 2-Butanone	6.984	43	224140	268.477	ug/l	97
26) 2,2-Dichloropropane	6.984	77	211580	58.050	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	144400	59.757	ug/l	98
28) Bromochloromethane	7.332	49	56649	40.165	ug/l	94
29) Tetrahydrofuran	7.350	42	124596	262.209	ug/l	97
30) Chloroform	7.509	83	235525	56.867	ug/l	100
31) Cyclohexane	7.789	56	204947	66.007	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	222928	60.354	ug/l	98
36) 1,1-Dichloropropene	7.917	75	183936	66.922	ug/l	99
37) Ethyl Acetate	7.076	43	81939	50.992	ug/l	97
38) Carbon Tetrachloride	7.905	117	211014	65.358	ug/l	97
39) Methylcyclohexane	9.185	83	227076	73.425	ug/l	99
40) Benzene	8.161	78	522073	63.581	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	42847m	52.820	ug/l	
42) 1,2-Dichloroethane	8.240	62	149431	58.850	ug/l	100
43) Isopropyl Acetate	8.277	43	153730	52.760	ug/l	98
44) Trichloroethene	8.941	130	144992	63.050	ug/l	99
45) 1,2-Dichloropropane	9.216	63	119190	56.084	ug/l	99
46) Dibromomethane	9.307	93	69872	58.735	ug/l	100
47) Bromodichloromethane	9.496	83	177679	57.814	ug/l	99
48) Methyl methacrylate	9.295	41	71329	55.536	ug/l	97
49) 1,4-Dioxane	9.295	88	17785	1079.169	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	419755	261.446	ug/l	99
52) Toluene	10.246	92	337326	64.622	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	180754	58.881	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	204522	59.298	ug/l	99
55) 1,1,2-Trichloroethane	10.642	97	97187	55.274	ug/l	99
56) Ethyl methacrylate	10.508	69	131899	58.111	ug/l	99
57) 1,3-Dichloropropane	10.788	76	168626	57.534	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.783	63	232603	221.003	ug/l	97
59) 2-Hexanone	10.831	43	323130	281.689	ug/l	98
60) Dibromochloromethane	10.983	129	127685	57.980	ug/l	99
61) 1,2-Dibromoethane	11.087	107	93446	58.664	ug/l	100
64) Tetrachloroethene	10.721	164	150479	64.683	ug/l	97
65) Chlorobenzene	11.520	112	352450	59.488	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	132030	57.443	ug/l	99
67) Ethyl Benzene	11.593	91	653969	62.644	ug/l	99
68) m/p-Xylenes	11.703	106	508830	127.273	ug/l	100
69) o-Xylene	12.032	106	237637	62.360	ug/l	100
70) Styrene	12.044	104	402245	61.845	ug/l	99
71) Bromoform	12.209	173	78636	55.467	ug/l	99
73) Isopropylbenzene	12.331	105	643481	61.140	ug/l	100
74) N-amyl acetate	12.142	43	135242	53.446	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	104357	50.914	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	106190m	64.613	ug/l	
77) Bromobenzene	12.611	156	144744	58.903	ug/l	98
78) n-propylbenzene	12.672	91	774113	61.376	ug/l	100
79) 2-Chlorotoluene	12.758	91	428078	59.470	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	552066	62.059	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	39239	54.178	ug/l	99
82) 4-Chlorotoluene	12.855	91	446862	59.853	ug/l	99
83) tert-Butylbenzene	13.075	119	471726	60.898	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	543154	62.011	ug/l	98
85) sec-Butylbenzene	13.251	105	694118	60.170	ug/l	99
86) p-Isopropyltoluene	13.367	119	593328	61.796	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	291352	58.916	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	286869	58.367	ug/l	99
89) n-Butylbenzene	13.696	91	536566	61.475	ug/l	99
90) Hexachloroethane	13.965	117	109168	57.220	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	255332	57.377	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	18529	51.851	ug/l	96
93) 1,2,4-Trichlorobenzene	15.007	180	157786	60.793	ug/l	99
94) Hexachlorobutadiene	15.111	225	97265	58.981	ug/l	99
95) Naphthalene	15.239	128	303994	60.472	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	134436	59.965	ug/l	100

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

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