

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011912.D
 Acq On : 20 Dec 2022 10:44
 Operator : KP/MD
 Sample : VSTDIC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 11:04:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 11:04:19 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	217651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	340105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	307687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	23109	13.074	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	26.140%#		
35) Dibromofluoromethane	7.721	113	20657	12.043	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	24.080%#		
50) Toluene-d8	10.178	98	83836	13.933	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	27.860%#		
62) 4-Bromofluorobenzene	12.483	95	27070	11.717	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	23.440%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	11697	9.845	ug/l	94
3) Chloromethane	2.119	50	17347	13.033	ug/l	99
4) Vinyl Chloride	2.253	62	19367	12.430	ug/l	100
5) Bromomethane	2.655	94	14959	13.914	ug/l	97
6) Chloroethane	2.796	64	13295	12.318	ug/l	99
7) Trichlorofluoromethane	3.131	101	36244	12.114	ug/l	100
8) Diethyl Ether	3.533	74	11318	10.800	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.905	101	20484	11.469	ug/l	98
10) Methyl Iodide	4.088	142	26187	12.523	ug/l	97
11) Tert butyl alcohol	4.942	59	17021	63.963	ug/l #	90
12) 1,1-Dichloroethene	3.881	96	20275	12.587	ug/l	97
13) Acrolein	3.734	56	10531	34.323	ug/l	96
14) Allyl chloride	4.484	41	29542	11.041	ug/l	96
15) Acrylonitrile	5.161	53	26589	47.269	ug/l	99
16) Acetone	3.948	43	27211	45.786	ug/l	98
17) Carbon Disulfide	4.198	76	63186	17.177	ug/l	97
18) Methyl Acetate	4.478	43	15018	8.948	ug/l	96
19) Methyl tert-butyl Ether	5.222	73	50684	10.050	ug/l	98
20) Methylene Chloride	4.722	84	37016	13.589	ug/l	91
21) trans-1,2-Dichloroethene	5.222	96	23289	12.864	ug/l	97
22) Diisopropyl ether	6.118	45	61051	10.458	ug/l	95
23) Vinyl Acetate	6.063	43	166881	50.109	ug/l	97
24) 1,1-Dichloroethane	6.021	63	39708	11.194	ug/l	98
25) 2-Butanone	6.990	43	35415	46.327	ug/l	96
26) 2,2-Dichloropropane	6.984	77	39059	11.703	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	25990	11.746	ug/l	100
28) Bromochloromethane	7.331	49	11076	8.576	ug/l	96
29) Tetrahydrofuran	7.350	42	20112	46.223	ug/l	93
30) Chloroform	7.508	83	42783	11.281	ug/l	93
31) Cyclohexane	7.789	56	37354	13.138	ug/l #	83
32) 1,1,1-Trichloroethane	7.703	97	41040	12.134	ug/l	100
36) 1,1-Dichloropropene	7.923	75	33050	12.806	ug/l	99
37) Ethyl Acetate	7.075	43	14587	9.668	ug/l	96
38) Carbon Tetrachloride	7.898	117	38824	12.806	ug/l	98
39) Methylcyclohexane	9.185	83	38847	13.377	ug/l	99
40) Benzene	8.160	78	97294	12.619	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	6625m	8.698	ug/l	
42) 1,2-Dichloroethane	8.240	62	28156	11.809	ug/l	99
43) Isopropyl Acetate	8.270	43	26637	9.736	ug/l	98
44) Trichloroethene	8.941	130	27338	12.660	ug/l	98
45) 1,2-Dichloropropane	9.215	63	22634	11.342	ug/l	98
46) Dibromomethane	9.307	93	12966	11.607	ug/l	98
47) Bromodichloromethane	9.496	83	32090	11.120	ug/l	96
48) Methyl methacrylate	9.294	41	12304	10.202	ug/l	96
49) 1,4-Dioxane	9.300	88	3020	195.154	ug/l	96
51) 4-Methyl-2-Pentanone	10.069	43	70792	46.958	ug/l	99
52) Toluene	10.245	92	61726	12.593	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	32235	11.183	ug/l	95
54) cis-1,3-Dichloropropene	9.928	75	36602	11.302	ug/l	98
55) 1,1,2-Trichloroethane	10.648	97	18822	11.400	ug/l	95
56) Ethyl methacrylate	10.514	69	21293	9.991	ug/l	99
57) 1,3-Dichloropropane	10.788	76	30380	11.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	44049	44.571	ug/l	99
59) 2-Hexanone	10.831	43	49823	46.255	ug/l	99
60) Dibromochloromethane	10.983	129	22736	10.995	ug/l	96
61) 1,2-Dibromoethane	11.087	107	16755	11.202	ug/l	100
64) Tetrachloroethene	10.721	164	27523	12.643	ug/l	98
65) Chlorobenzene	11.520	112	65891	11.885	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	24483	11.383	ug/l	98
67) Ethyl Benzene	11.593	91	115569	11.831	ug/l	98
68) m/p-Xylenes	11.703	106	90592	24.216	ug/l	99
69) o-Xylene	12.032	106	41636	11.676	ug/l	99
70) Styrene	12.044	104	70139	11.525	ug/l	98
71) Bromoform	12.209	173	14218	10.718	ug/l #	97
73) Isopropylbenzene	12.330	105	113256	11.375	ug/l	100
74) N-amyl acetate	12.148	43	21777	9.097	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.580	83	19555	10.085	ug/l	96
76) 1,2,3-Trichloropropane	12.629	75	19824m	12.750	ug/l	
77) Bromobenzene	12.611	156	26842	11.546	ug/l	96
78) n-propylbenzene	12.672	91	136861	11.470	ug/l	99
79) 2-Chlorotoluene	12.757	91	78096	11.468	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	99161	11.783	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	6855	10.005	ug/l	99
82) 4-Chlorotoluene	12.855	91	81026	11.472	ug/l	98
83) tert-Butylbenzene	13.074	119	80637	11.004	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	95315	11.503	ug/l	100
85) sec-Butylbenzene	13.251	105	125464	11.496	ug/l	100
86) p-Isopropyltoluene	13.373	119	104270	11.479	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	54744	11.702	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	55354	11.905	ug/l	98
89) n-Butylbenzene	13.696	91	92750	11.233	ug/l	99
90) Hexachloroethane	13.964	117	20546	11.383	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	47674	11.324	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	3096	9.158	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	25083	10.215	ug/l	99
94) Hexachlorobutadiene	15.110	225	17832	11.430	ug/l	98
95) Naphthalene	15.238	128	43877	9.226	ug/l	99
96) 1,2,3-Trichlorobenzene	15.427	180	21131	9.963	ug/l	99

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

