

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122722\
 Data File : VY012010.D
 Acq On : 27 Dec 2022 11:29
 Operator : KP/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 12/28/2022
 Supervised By :Mahesh Dadoda 01/03/2023

Quant Time: Dec 27 12:11:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	202381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	304673	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	270011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	130863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	102263	50.155	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.300%			
35) Dibromofluoromethane	7.715	113	95920	52.295	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.580%			
50) Toluene-d8	10.178	98	382343	51.377	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.760%			
62) 4-Bromofluorobenzene	12.483	95	130281	52.053	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.100%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.905	85	84081	51.987	ug/l	99
3) Chloromethane	2.119	50	81782	45.404	ug/l	97
4) Vinyl Chloride	2.253	62	95207	47.930	ug/l	98
5) Bromomethane	2.655	94	68786	48.674	ug/l	100
6) Chloroethane	2.796	64	60828	46.849	ug/l	98
7) Trichlorofluoromethane	3.131	101	175464	50.460	ug/l	100
8) Diethyl Ether	3.533	74	51305	47.819	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.905	101	93688	48.944	ug/l	98
10) Methyl Iodide	4.094	142	127905	48.295	ug/l	97
11) Tert butyl alcohol	4.954	59	41073	198.208	ug/l	97
12) 1,1-Dichloroethene	3.881	96	91794	47.941	ug/l	96
13) Acrolein	3.734	56	40068	210.222	ug/l	98
14) Allyl chloride	4.484	41	127025	45.049	ug/l	92
15) Acrylonitrile	5.161	53	118146	236.723	ug/l	99
16) Acetone	3.948	43	162550	266.695	ug/l	98
17) Carbon Disulfide	4.198	76	256898	42.060	ug/l	100
18) Methyl Acetate	4.478	43	60724	43.101	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	250946	51.079	ug/l	97
20) Methylene Chloride	4.716	84	112875	47.855	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	102482	47.104	ug/l	94
22) Diisopropyl ether	6.118	45	261739	47.131	ug/l #	95
23) Vinyl Acetate	6.057	43	760504	238.021	ug/l	95
24) 1,1-Dichloroethane	6.021	63	168813	46.765	ug/l	98
25) 2-Butanone	6.984	43	174972	257.619	ug/l	92
26) 2,2-Dichloropropane	6.984	77	171965	48.683	ug/l	99
27) cis-1,2-Dichloroethene	6.990	96	115348	49.019	ug/l	97
28) Bromochloromethane	7.337	49	41439	41.833	ug/l	85
29) Tetrahydrofuran	7.343	42	88725	230.567	ug/l	92
30) Chloroform	7.508	83	190954	49.078	ug/l	99
31) Cyclohexane	7.789	56	146436	42.662	ug/l	94
32) 1,1,1-Trichloroethane	7.703	97	183771	49.658	ug/l	98
36) 1,1-Dichloropropene	7.917	75	140619	47.795	ug/l	98
37) Ethyl Acetate	7.075	43	59686	45.217	ug/l #	95
38) Carbon Tetrachloride	7.904	117	172449	50.751	ug/l	99
39) Methylcyclohexane	9.185	83	167903	47.428	ug/l	95
40) Benzene	8.160	78	403765	47.954	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	32576m	51.035	ug/l	
42) 1,2-Dichloroethane	8.240	62	119583	49.336	ug/l	100
43) Isopropyl Acetate	8.270	43	115402	47.869	ug/l	97
44) Trichloroethene	8.941	130	115061	48.483	ug/l	98
45) 1,2-Dichloropropane	9.215	63	90268	46.401	ug/l	100
46) Dibromomethane	9.307	93	54193	48.361	ug/l	98
47) Bromodichloromethane	9.496	83	142282	50.048	ug/l	99
48) Methyl methacrylate	9.294	41	52566	47.093	ug/l	94
49) 1,4-Dioxane	9.300	88	14018	1047.757	ug/l	94
51) 4-Methyl-2-Pentanone	10.069	43	313473	243.857	ug/l	97
52) Toluene	10.245	92	265528	49.498	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	140808	49.017	ug/l	99
54) cis-1,3-Dichloropropene	9.928	75	157539	48.789	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	75748	47.635	ug/l	97
56) Ethyl methacrylate	10.508	69	102544	50.932	ug/l	97
57) 1,3-Dichloropropane	10.794	76	129496	48.798	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	186292	239.789	ug/l	94
59) 2-Hexanone	10.831	43	254720	269.346	ug/l	96
60) Dibromochloromethane	10.983	129	101160	50.499	ug/l	99
61) 1,2-Dibromoethane	11.087	107	72304	48.600	ug/l	99
64) Tetrachloroethene	10.721	164	116159	49.149	ug/l	99
65) Chlorobenzene	11.520	112	279686	49.887	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.593	131	106845	51.222	ug/l	98
67) Ethyl Benzene	11.593	91	515430	50.861	ug/l	100
68) m/p-Xylenes	11.702	106	401230	101.803	ug/l	100
69) o-Xylene	12.032	106	189162	51.584	ug/l	100
70) Styrene	12.044	104	317202	51.516	ug/l	98
71) Bromoform	12.208	173	63757	51.583	ug/l #	99
73) Isopropylbenzene	12.330	105	519602	53.508	ug/l	100
74) N-amyl acetate	12.147	43	100147	50.304	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.586	83	81895	50.552	ug/l	99
76) 1,2,3-Trichloropropane	12.635	75	71410m	43.854	ug/l	
77) Bromobenzene	12.611	156	117422	52.266	ug/l	95
78) n-propylbenzene	12.672	91	612205	52.448	ug/l	99
79) 2-Chlorotoluene	12.757	91	343453	52.345	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	444351	53.445	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.379	75	29848	50.197	ug/l	99
82) 4-Chlorotoluene	12.855	91	349558	51.490	ug/l	99
83) tert-Butylbenzene	13.074	119	390593	55.433	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	433509	53.001	ug/l	99
85) sec-Butylbenzene	13.257	105	556995	52.938	ug/l	99
86) p-Isopropyltoluene	13.373	119	473275	53.309	ug/l	99
87) 1,3-Dichlorobenzene	13.367	146	230423	50.999	ug/l	100
88) 1,4-Dichlorobenzene	13.446	146	227575	50.666	ug/l	99
89) n-Butylbenzene	13.696	91	420698	52.346	ug/l	99
90) Hexachloroethane	13.964	117	85351	50.385	ug/l	98
91) 1,2-Dichlorobenzene	13.739	146	200712	50.956	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.361	75	14181	50.936	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	115094	49.672	ug/l	100
94) Hexachlorobutadiene	15.116	225	73813	49.300	ug/l	99
95) Naphthalene	15.238	128	215320	44.973	ug/l	100
96) 1,2,3-Trichlorobenzene	15.427	180	98017	50.034	ug/l	98

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

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