

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090222\
 Data File : VY010273.D
 Acq On : 02 Sep 2022 11:56
 Operator : KP/MD
 Sample : VSTDICC100
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 09/06/2022
 Supervised By :Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 16:25:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 16:23:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	402841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	656457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	581678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	280903	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	417799	101.153	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 202.300%#			
35) Dibromofluoromethane	7.716	113	398071	91.088	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 182.180%#			
50) Toluene-d8	10.179	98	1539788	105.239	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 210.480%#			
62) 4-Bromofluorobenzene	12.483	95	555698	81.894	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 163.780%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	280809	87.321	ug/l	98
3) Chloromethane	2.113	50	390054	88.834	ug/l	97
4) Vinyl Chloride	2.247	62	438042	91.565	ug/l	99
5) Bromomethane	2.637	94	262440	86.420	ug/l	99
6) Chloroethane	2.784	64	271405	92.745	ug/l	98
7) Trichlorofluoromethane	3.119	101	632749	94.360	ug/l	93
8) Diethyl Ether	3.521	74	235259	98.182	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.893	101	389580	94.068	ug/l	94
10) Methyl Iodide	4.082	142	519306	104.227	ug/l	90
11) Tert butyl alcohol	4.948	59	231145	467.741	ug/l #	94
12) 1,1-Dichloroethene	3.863	96	377017	94.014	ug/l	88
13) Acrolein	3.723	56	270303	516.699	ug/l	99
14) Allyl chloride	4.472	41	668883	94.766	ug/l	91
15) Acrylonitrile	5.155	53	626139	501.497	ug/l	98
16) Acetone	3.942	43	516871	500.545	ug/l	91
17) Carbon Disulfide	4.186	76	1115210	91.298	ug/l	99
18) Methyl Acetate	4.472	43	314728	98.211	ug/l	91
19) Methyl tert-butyl Ether	5.216	73	1156627	98.659	ug/l	99
20) Methylene Chloride	4.710	84	433539	87.000	ug/l	87
21) trans-1,2-Dichloroethene	5.210	96	429926	94.607	ug/l	92
22) Diisopropyl ether	6.112	45	1393003	97.107	ug/l	93
23) Vinyl Acetate	6.051	43	4477379	497.804	ug/l #	94
24) 1,1-Dichloroethane	6.009	63	792101	95.852	ug/l	99
25) 2-Butanone	6.978	43	855144	504.607	ug/l #	89
26) 2,2-Dichloropropane	6.978	77	715973	95.124	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	503324	96.916	ug/l	91
28) Bromochloromethane	7.332	49	300465	108.659	ug/l	91
29) Tetrahydrofuran	7.344	42	550779	507.055	ug/l	90
30) Chloroform	7.502	83	783286	96.252	ug/l	100
31) Cyclohexane	7.783	56	712879	88.470	ug/l	96
32) 1,1,1-Trichloroethane	7.697	97	711481	95.951	ug/l	96
36) 1,1-Dichloropropene	7.917	75	615463	95.987	ug/l	98
37) Ethyl Acetate	7.070	43	370092	100.672	ug/l #	95
38) Carbon Tetrachloride	7.899	117	637717	96.505	ug/l	98
39) Methylcyclohexane	9.179	83	778006	93.985	ug/l	94
40) Benzene	8.155	78	1756575	95.655	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.319	41	220540m	106.113	ug/l	
42) 1,2-Dichloroethane	8.234	62	518438	97.370	ug/l	93
43) Isopropyl Acetate	8.271	43	704397	100.519	ug/l #	93
44) Trichloroethene	8.935	130	484903	96.186	ug/l	94
45) 1,2-Dichloropropane	9.215	63	451300	96.461	ug/l	95
46) Dibromomethane	9.301	93	253494	98.648	ug/l	97
47) Bromodichloromethane	9.496	83	616684	97.585	ug/l	99
48) Methyl methacrylate	9.289	41	322965	98.802	ug/l #	88
49) 1,4-Dioxane	9.295	88	73318	2073.563	ug/l #	85
51) 4-Methyl-2-Pentanone	10.069	43	1843340	509.857	ug/l	90
52) Toluene	10.240	92	1126591	95.905	ug/l	94
53) t-1,3-Dichloropropene	10.465	75	675753	99.143	ug/l	100
54) cis-1,3-Dichloropropene	9.929	75	752198	97.871	ug/l #	87
55) 1,1,2-Trichloroethane	10.642	97	362718	99.435	ug/l	98
56) Ethyl methacrylate	10.508	69	547474	101.586	ug/l #	82
57) 1,3-Dichloropropane	10.788	76	626982	98.611	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.782	63	673495	373.309	ug/l	97
59) 2-Hexanone	10.831	43	1291548	515.168	ug/l	88
60) Dibromochloromethane	10.983	129	439303	99.942	ug/l	100
61) 1,2-Dibromoethane	11.087	107	349755	99.216	ug/l	100
64) Tetrachloroethene	10.715	164	446452	94.114	ug/l	96
65) Chlorobenzene	11.514	112	1194609	96.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.587	131	442803	97.289	ug/l	98
67) Ethyl Benzene	11.593	91	2179852	96.037	ug/l	98
68) m/p-Xylenes	11.703	106	1675026	193.181	ug/l	94
69) o-Xylene	12.026	106	809843	96.197	ug/l	94
70) Styrene	12.044	104	1373618	97.951	ug/l	97
71) Bromoform	12.209	173	283946	100.922	ug/l #	100
73) Isopropylbenzene	12.331	105	2116969	94.460	ug/l	100
74) N-amyl acetate	12.142	43	626855	101.385	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.581	83	424157	98.480	ug/l	99
76) 1,2,3-Trichloropropane	12.630	75	327216m	102.577	ug/l	
77) Bromobenzene	12.605	156	484984	95.128	ug/l	98
78) n-propylbenzene	12.672	91	2534163	94.197	ug/l	98
79) 2-Chlorotoluene	12.758	91	1440422	94.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1764916	93.995	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.380	75	165374	103.202	ug/l #	85
82) 4-Chlorotoluene	12.855	91	1490526	95.201	ug/l	100
83) tert-Butylbenzene	13.075	119	1543162	94.596	ug/l	96
84) 1,2,4-Trimethylbenzene	13.117	105	1744184	94.591	ug/l	98
85) sec-Butylbenzene	13.251	105	2262613	93.789	ug/l	99
86) p-Isopropyltoluene	13.367	119	1906241	95.660	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	946623	95.626	ug/l	98
88) 1,4-Dichlorobenzene	13.446	146	938074	95.311	ug/l	99
89) n-Butylbenzene	13.696	91	1784317	94.721	ug/l	98
90) Hexachloroethane	13.959	117	361627	94.542	ug/l	90
91) 1,2-Dichlorobenzene	13.739	146	847041	96.006	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	74967	98.778	ug/l	84
93) 1,2,4-Trichlorobenzene	15.007	180	542556	99.351	ug/l	99
94) Hexachlorobutadiene	15.111	225	297145	92.835	ug/l	98
95) Naphthalene	15.233	128	1178105	103.970	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	465458	100.636	ug/l	98

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

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