

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011916.D
 Acq On : 20 Dec 2022 12:15
 Operator : KP/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 12:33:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:33:02 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.789	168	239809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	366786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	328513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	157318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	339315	174.226	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 348.460%#			
35) Dibromofluoromethane	7.716	113	313682	169.577	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 339.160%#			
50) Toluene-d8	10.179	98	1294154	199.442	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 398.880%#			
62) 4-Bromofluorobenzene	12.483	95	428889	172.140	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 344.280%#			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	296855	226.760	ug/l	99
3) Chloromethane	2.113	50	324799	221.475	ug/l	99
4) Vinyl Chloride	2.253	62	365723	213.035	ug/l	99
5) Bromomethane	2.637	94	245156	206.965	ug/l	97
6) Chloroethane	2.790	64	233316	196.201	ug/l	98
7) Trichlorofluoromethane	3.125	101	624870	189.553	ug/l	99
8) Diethyl Ether	3.528	74	192991	167.138	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.899	101	340147	172.849	ug/l	98
10) Methyl Iodide	4.088	142	505404	219.353	ug/l	99
11) Tert butyl alcohol	4.960	59	157959	538.743	ug/l	100
12) 1,1-Dichloroethene	3.869	96	348672	196.463	ug/l	98
13) Acrolein	3.729	56	156734	463.628	ug/l	99
14) Allyl chloride	4.479	41	512929	173.991	ug/l	96
15) Acrylonitrile	5.161	53	435828	703.212	ug/l	100
16) Acetone	3.948	43	527050	804.893	ug/l	98
17) Carbon Disulfide	4.192	76	1109260	273.686	ug/l	99
18) Methyl Acetate	4.473	43	236532	127.906	ug/l	97
19) Methyl tert-butyl Ether	5.222	73	891719	160.472	ug/l	97
20) Methylene Chloride	4.716	84	378846	126.232	ug/l	94
21) trans-1,2-Dichloroethene	5.222	96	381855	191.433	ug/l	96
22) Diisopropyl ether	6.119	45	967061	150.353	ug/l	97
23) Vinyl Acetate	6.058	43	2893750	788.621	ug/l	98
24) 1,1-Dichloroethane	6.021	63	623452	159.510	ug/l	99
25) 2-Butanone	6.984	43	603903	716.984	ug/l	97
26) 2,2-Dichloropropane	6.984	77	613990	166.971	ug/l	99
27) cis-1,2-Dichloroethene	6.984	96	414360	169.964	ug/l	98
28) Bromochloromethane	7.332	49	161412	113.435	ug/l	93
29) Tetrahydrofuran	7.344	42	336034	700.941	ug/l	96
30) Chloroform	7.509	83	664515	159.032	ug/l	99
31) Cyclohexane	7.789	56	583562	186.290	ug/l	98
32) 1,1,1-Trichloroethane	7.704	97	650099	174.452	ug/l	99
36) 1,1-Dichloropropene	7.917	75	526209	189.057	ug/l	99
37) Ethyl Acetate	7.070	43	232001	142.574	ug/l	98
38) Carbon Tetrachloride	7.905	117	604334	184.842	ug/l	98
39) Methylcyclohexane	9.185	83	667964	213.286	ug/l	98
40) Benzene	8.161	78	1489932	179.185	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.307	41	125025m	152.199	ug/l	
42) 1,2-Dichloroethane	8.240	62	422535	164.327	ug/l	100
43) Isopropyl Acetate	8.271	43	440318	149.228	ug/l	98
44) Trichloroethene	8.941	130	422625	181.481	ug/l	99
45) 1,2-Dichloropropane	9.216	63	337832	156.978	ug/l	99
46) Dibromomethane	9.307	93	193239	160.407	ug/l	99
47) Bromodichloromethane	9.496	83	501992	161.297	ug/l	99
48) Methyl methacrylate	9.289	41	213062	163.813	ug/l	98
49) 1,4-Dioxane	9.301	88	49903	2990.183	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	1156306	711.205	ug/l	98
52) Toluene	10.246	92	961038	181.805	ug/l	99
53) t-1,3-Dichloropropene	10.465	75	518060	166.650	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	583816	167.151	ug/l	99
55) 1,1,2-Trichloroethane	10.648	97	271199	152.312	ug/l	98
56) Ethyl methacrylate	10.508	69	382402	166.370	ug/l	98
57) 1,3-Dichloropropane	10.788	76	461363	155.446	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.783	63	691180	648.499	ug/l	97
59) 2-Hexanone	10.831	43	880958	758.373	ug/l	98
60) Dibromochloromethane	10.984	129	349907	156.902	ug/l	100
61) 1,2-Dibromoethane	11.087	107	263099	163.105	ug/l	98
64) Tetrachloroethene	10.721	164	408263	175.653	ug/l	98
65) Chlorobenzene	11.514	112	1002657	169.389	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.593	131	368290	160.382	ug/l	99
67) Ethyl Benzene	11.593	91	1872927	179.574	ug/l	98
68) m/p-Xylenes	11.703	106	1450500	363.148	ug/l	99
69) o-Xylene	12.032	106	683074	179.416	ug/l	100
70) Styrene	12.044	104	1132385	174.267	ug/l	98
71) Bromoform	12.209	173	221601	156.454	ug/l #	99
73) Isopropylbenzene	12.331	105	1827496	179.295	ug/l	99
74) N-amyl acetate	12.142	43	388647	158.591	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	284872	143.511	ug/l	100
76) 1,2,3-Trichloropropane	12.636	75	284100m	178.494	ug/l	
77) Bromobenzene	12.611	156	407178	171.096	ug/l	98
78) n-propylbenzene	12.672	91	2153479	176.301	ug/l	100
79) 2-Chlorotoluene	12.758	91	1204370	172.765	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	1525816	177.106	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	110479	157.509	ug/l	99
82) 4-Chlorotoluene	12.855	91	1248993	172.739	ug/l	100
83) tert-Butylbenzene	13.075	119	1317436	175.617	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	1505561	177.487	ug/l	98
85) sec-Butylbenzene	13.251	105	1930985	172.841	ug/l	99
86) p-Isopropyltoluene	13.367	119	1643087	176.705	ug/l	100
87) 1,3-Dichlorobenzene	13.367	146	801286	167.312	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	792053	166.403	ug/l	99
89) n-Butylbenzene	13.696	91	1499292	177.371	ug/l	99
90) Hexachloroethane	13.959	117	301010	162.911	ug/l	99
91) 1,2-Dichlorobenzene	13.739	146	700477	162.535	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.355	75	51810	149.705	ug/l	95
93) 1,2,4-Trichlorobenzene	15.007	180	456159	181.476	ug/l	99
94) Hexachlorobutadiene	15.111	225	271470	169.979	ug/l	99
95) Naphthalene	15.233	128	899877	184.840	ug/l	100
96) 1,2,3-Trichlorobenzene	15.422	180	391206	180.181	ug/l	99

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

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