

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120224\
 Data File : VY020477.D
 Acq On : 02 Dec 2024 11:09
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 12/03/2024
 Supervised By :Mahesh Dadoda 12/03/2024

Quant Time: Dec 02 14:35:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 02 14:33:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	163098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	255701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	208400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	94390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	249913	150.665	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 301.320%#			
35) Dibromofluoromethane	7.646	113	238441	148.122	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.240%#			
50) Toluene-d8	10.115	98	911267	148.665	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 297.320%#			
62) 4-Bromofluorobenzene	12.413	95	310329	144.754	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 289.500%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	250310	157.336	ug/l	98
3) Chloromethane	2.074	50	253265	157.398	ug/l	98
4) Vinyl Chloride	2.214	62	257279	156.652	ug/l	99
5) Bromomethane	2.604	94	149699	155.348	ug/l	98
6) Chloroethane	2.744	64	155422	154.401	ug/l	98
7) Trichlorofluoromethane	3.074	101	470608	152.994	ug/l	100
8) Diethyl Ether	3.464	74	135260	155.197	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.829	101	262950	146.713	ug/l	98
10) Methyl Iodide	4.018	142	319792	158.942	ug/l	95
11) Tert butyl alcohol	4.878	59	80459	747.755	ug/l	100
12) 1,1-Dichloroethene	3.805	96	260339	153.767	ug/l	94
13) Acrolein	3.665	56	70632	701.110	ug/l	98
14) Allyl chloride	4.396	41	458146	151.721	ug/l	96
15) Acrylonitrile	5.073	53	280365	772.073	ug/l	99
16) Acetone	3.878	43	348316	844.522	ug/l	97
17) Carbon Disulfide	4.122	76	804833	166.091	ug/l	99
18) Methyl Acetate	4.396	43	136321	155.509	ug/l	98
19) Methyl tert-butyl Ether	5.128	73	668245	154.551	ug/l	97
20) Methylene Chloride	4.634	84	265981	151.599	ug/l	93
21) trans-1,2-Dichloroethene	5.128	96	280386	149.100	ug/l	96
22) Diisopropyl ether	6.030	45	885164	147.413	ug/l	98
23) Vinyl Acetate	5.975	43	2469485	777.532	ug/l	99
24) 1,1-Dichloroethane	5.933	63	532934	147.421	ug/l	99
25) 2-Butanone	6.908	43	418806	804.149	ug/l	97
26) 2,2-Dichloropropane	6.902	77	501474	146.664	ug/l	99
27) cis-1,2-Dichloroethene	6.908	96	328949	149.807	ug/l	98
28) Bromochloromethane	7.256	49	207149	153.446	ug/l	92
29) Tetrahydrofuran	7.274	42	228857	770.269	ug/l	98
30) Chloroform	7.433	83	543649	146.530	ug/l	98
31) Cyclohexane	7.713	56	465462	142.423	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	521442	145.958	ug/l	97
36) 1,1-Dichloropropene	7.847	75	399699	147.034	ug/l	99
37) Ethyl Acetate	6.994	43	164255	152.516	ug/l	98
38) Carbon Tetrachloride	7.829	117	482482	148.710	ug/l	99
39) Methylcyclohexane	9.115	83	517160	153.312	ug/l	98
40) Benzene	8.091	78	1180011	147.226	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.231	41	102358	87.558	ug/l	94
42) 1,2-Dichloroethane	8.164	62	318221	151.101	ug/l	99
43) Isopropyl Acetate	8.207	43	343314	157.866	ug/l	97
44) Trichloroethene	8.871	130	292267	147.919	ug/l	97
45) 1,2-Dichloropropane	9.152	63	270734	144.347	ug/l	97
46) Dibromomethane	9.237	93	140922	151.752	ug/l	97
47) Bromodichloromethane	9.432	83	407222	148.839	ug/l	99
48) Methyl methacrylate	9.225	41	165171	162.875	ug/l	97
49) 1,4-Dioxane	9.237	88	26423	2976.762	ug/l #	95
51) 4-Methyl-2-Pentanone	10.005	43	836534	778.910	ug/l	98
52) Toluene	10.176	92	746875	149.355	ug/l	98
53) t-1,3-Dichloropropene	10.401	75	381443	155.290	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	442462	152.419	ug/l	96
55) 1,1,2-Trichloroethane	10.578	97	182844	147.602	ug/l	98
56) Ethyl methacrylate	10.444	69	285155	162.688	ug/l	94
57) 1,3-Dichloropropane	10.725	76	329078	148.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	647294	788.744	ug/l	96
59) 2-Hexanone	10.767	43	624603	806.169	ug/l	97
60) Dibromochloromethane	10.920	129	258183	149.700	ug/l	99
61) 1,2-Dibromoethane	11.023	107	170763	150.740	ug/l	99
64) Tetrachloroethene	10.651	164	260616	148.000	ug/l	98
65) Chlorobenzene	11.450	112	775088	148.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.523	131	272452	147.070	ug/l	98
67) Ethyl Benzene	11.523	91	1453683	148.467	ug/l	99
68) m/p-Xylenes	11.633	106	1059213	295.432	ug/l	98
69) o-Xylene	11.962	106	497513	148.119	ug/l	98
70) Styrene	11.974	104	834148	148.854	ug/l	99
71) Bromoform	12.139	173	143847	152.724	ug/l #	99
73) Isopropylbenzene	12.261	105	1352223	148.063	ug/l	99
74) N-amyl acetate	12.078	43	292853	163.605	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	196043	149.268	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	151365m	84.913	ug/l	
77) Bromobenzene	12.535	156	282989	149.627	ug/l	97
78) n-propylbenzene	12.602	91	1581416	146.253	ug/l	98
79) 2-Chlorotoluene	12.688	91	891790	146.161	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	1084359	148.163	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	74170	158.274	ug/l	96
82) 4-Chlorotoluene	12.785	91	912739	146.591	ug/l	98
83) tert-Butylbenzene	13.005	119	969775	146.561	ug/l	99
84) 1,2,4-Trimethylbenzene	13.047	105	1047513	147.256	ug/l	99
85) sec-Butylbenzene	13.181	105	1386634	146.227	ug/l	99
86) p-Isopropyltoluene	13.297	119	1162926	148.404	ug/l	99
87) 1,3-Dichlorobenzene	13.297	146	539573	147.931	ug/l	100
88) 1,4-Dichlorobenzene	13.370	146	526394	147.418	ug/l	99
89) n-Butylbenzene	13.627	91	1089026	149.841	ug/l	99
90) Hexachloroethane	13.889	117	229363	150.189	ug/l	95
91) 1,2-Dichlorobenzene	13.663	146	464183	150.066	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	31544	158.651	ug/l	98
93) 1,2,4-Trichlorobenzene	14.931	180	285244	163.997	ug/l	100
94) Hexachlorobutadiene	15.035	225	184727	151.815	ug/l	99
95) Naphthalene	15.151	128	494521	175.698	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	231642	165.051	ug/l	99

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

