

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012425\
 Data File : VY020928.D
 Acq On : 24 Jan 2025 14:27
 Operator : SY/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 : Semsettin
 Yesilyurt

Quant Time: Jan 25 00:47:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 00:43:14 2025
 Response via : Initial Calibration

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

Internal Standards						01/27/2025
1) Pentafluorobenzene	7.720	168	282540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	407800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	349414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	166827	50.000	ug/l	0.00
System Monitoring Compounds						01/27/2025
33) 1,2-Dichloroethane-d4	8.073	65	208610	92.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	185.200%#
35) Dibromofluoromethane	7.646	113	224939	96.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	192.160%#
50) Toluene-d8	10.115	98	881343	97.056	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	194.120%#
62) 4-Bromofluorobenzene	12.414	95	292974	96.943	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	193.880%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.873	85	189405	88.631	ug/l	98
3) Chloromethane	2.074	50	133985	84.298	ug/l	99
4) Vinyl Chloride	2.214	62	153325	88.510	ug/l	99
5) Bromomethane	2.605	94	94286	80.360	ug/l	99
6) Chloroethane	2.745	64	89293	87.860	ug/l	98
7) Trichlorofluoromethane	3.074	101	328980	89.383	ug/l	96
8) Diethyl Ether	3.464	74	99004	87.522	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.830	101	215677	88.810	ug/l	99
10) Methyl Iodide	4.019	142	274036	94.685	ug/l	100
11) Tert butyl alcohol	4.885	59	57512	330.716	ug/l	100
12) 1,1-Dichloroethene	3.806	96	206431	90.009	ug/l	97
13) Acrolein	3.665	56	111679	473.717	ug/l	99
14) Allyl chloride	4.397	41	291746	91.141	ug/l	99
15) Acrylonitrile	5.074	53	192677	433.320	ug/l	99
16) Acetone	3.879	43	124962	409.423	ug/l	99
17) Carbon Disulfide	4.123	76	638946	90.211	ug/l	99
18) Methyl Acetate	4.397	43	95074	86.229	ug/l	98
19) Methyl tert-butyl Ether	5.135	73	476229	89.651	ug/l	98
20) Methylene Chloride	4.629	84	197385	86.956	ug/l	98
21) trans-1,2-Dichloroethene	5.135	96	219270	88.675	ug/l	97
22) Diisopropyl ether	6.031	45	578872	89.904	ug/l	97
23) Vinyl Acetate	5.976	43	1603784	450.057	ug/l	99
24) 1,1-Dichloroethane	5.933	63	365835	89.632	ug/l	99
25) 2-Butanone	6.903	43	219468	424.490	ug/l	94
26) 2,2-Dichloropropane	6.903	77	351871	87.525	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	253869	90.970	ug/l	98
28) Bromochloromethane	7.262	49	167265	101.825	ug/l	100
29) Tetrahydrofuran	7.274	42	149724	434.525	ug/l	99
30) Chloroform	7.433	83	385461	89.231	ug/l	98
31) Cyclohexane	7.713	56	341752	85.192	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	374729	89.432	ug/l	99
36) 1,1-Dichloropropene	7.848	75	294814	90.195	ug/l	100
37) Ethyl Acetate	6.994	43	107870	85.060	ug/l	99
38) Carbon Tetrachloride	7.829	117	357344	90.655	ug/l	99
39) Methylcyclohexane	9.122	83	409823	92.613	ug/l	98
40) Benzene	8.091	78	865598	90.267	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	56225	83.928	ug/l	94
42) 1,2-Dichloroethane	8.171	62	213394	89.434	ug/l	99
43) Isopropyl Acetate	8.207	43	219926	91.453	ug/l	100
44) Trichloroethene	8.878	130	236860	90.920	ug/l	97
45) 1,2-Dichloropropane	9.152	63	192102	90.754	ug/l	95
46) Dibromomethane	9.244	93	109628	91.101	ug/l	100
47) Bromodichloromethane	9.433	83	291669	91.093	ug/l	97
48) Methyl methacrylate	9.231	41	105979	93.423	ug/l	99
49) 1,4-Dioxane	9.244	88	21222	1712.802	ug/l	90
51) 4-Methyl-2-Pentanone	10.006	43	538072	443.751	ug/l	98
52) Toluene	10.182	92	564309	91.501	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	273986	93.326	ug/l	100
54) cis-1,3-Dichloropropene	9.865	75	322850	92.097	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	145718	89.583	ug/l	99
56) Ethyl methacrylate	10.445	69	204882	96.109	ug/l	99
57) 1,3-Dichloropropane	10.725	76	248600	89.965	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	485670	501.962	ug/l	99
59) 2-Hexanone	10.768	43	362194	464.523	ug/l	100
60) Dibromochloromethane	10.920	129	209354	91.449	ug/l	99
61) 1,2-Dibromoethane	11.024	107	138031	88.720	ug/l	99
64) Tetrachloroethene	10.658	164	217960	89.636	ug/l	97
65) Chlorobenzene	11.451	112	615992	90.152	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.524	131	216799	89.289	ug/l	100
67) Ethyl Benzene	11.530	91	1093665	91.728	ug/l	100
68) m/p-Xylenes	11.640	106	832825	182.420	ug/l	99
69) o-Xylene	11.963	106	390419	91.551	ug/l	99
70) Styrene	11.981	104	647407	92.633	ug/l	99
71) Bromoform	12.139	173	123511	89.832	ug/l #	100
73) Isopropylbenzene	12.261	105	1050644	91.442	ug/l	100
74) N-amyl acetate	12.078	43	194951	95.353	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.517	83	156451	87.516	ug/l	100
76) 1,2,3-Trichloropropane	12.566	75	103209m	87.500	ug/l	
77) Bromobenzene	12.542	156	242559	90.061	ug/l	99
78) n-propylbenzene	12.603	91	1218093	91.014	ug/l	100
79) 2-Chlorotoluene	12.688	91	688504	90.703	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	839826	90.967	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	57206	93.700	ug/l	98
82) 4-Chlorotoluene	12.786	91	691697	89.236	ug/l	99
83) tert-Butylbenzene	13.005	119	776794	91.221	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	827928	91.094	ug/l	100
85) sec-Butylbenzene	13.182	105	1108307	91.286	ug/l	100
86) p-Isopropyltoluene	13.304	119	941137	91.754	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	457480	88.704	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	444967	87.830	ug/l	99
89) n-Butylbenzene	13.627	91	846273	93.535	ug/l	99
90) Hexachloroethane	13.889	117	188537	92.529	ug/l	99
91) 1,2-Dichlorobenzene	13.670	146	394224	88.227	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.285	75	23342	86.917	ug/l	94
93) 1,2,4-Trichlorobenzene	14.932	180	260768	97.012	ug/l	100
94) Hexachlorobutadiene	15.035	225	171097	93.034	ug/l	100
95) Naphthalene	15.157	128	427889	99.269	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	217070	96.121	ug/l	99

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

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