

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012425\
 Data File : VY020929.D
 Acq On : 24 Jan 2025 14:50
 Operator : SY/MD
 Sample : VSTDICC150
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 25 00:48:05 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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2025
 Supervised By :Mahesh Dadoda 01/27/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	277863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	404615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	343708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	159694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	321950	145.323	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 290.640%#			
35) Dibromofluoromethane	7.646	113	344873	148.471	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 296.940%#			
50) Toluene-d8	10.115	98	1346111	149.405	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 298.800%#			
62) 4-Bromofluorobenzene	12.414	95	441957	147.391	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 294.780%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	310796	147.884	ug/l	99
3) Chloromethane	2.074	50	230764	147.631	ug/l	97
4) Vinyl Chloride	2.214	62	258098	151.500	ug/l	98
5) Bromomethane	2.605	94	159242	138.007	ug/l	98
6) Chloroethane	2.745	64	150359	150.437	ug/l	97
7) Trichlorofluoromethane	3.074	101	557315	153.971	ug/l	96
8) Diethyl Ether	3.464	74	174523	156.880	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.830	101	365115	152.875	ug/l	99
10) Methyl Iodide	4.019	142	459572	161.464	ug/l	99
11) Tert butyl alcohol	4.885	59	98630	576.707	ug/l	100
12) 1,1-Dichloroethene	3.806	96	351022	155.630	ug/l	98
13) Acrolein	3.665	56	177155	764.099	ug/l	97
14) Allyl chloride	4.397	41	495487	157.395	ug/l	99
15) Acrylonitrile	5.074	53	332632	760.663	ug/l	99
16) Acetone	3.885	43	218230	727.039	ug/l	93
17) Carbon Disulfide	4.123	76	1081484	155.262	ug/l	100
18) Methyl Acetate	4.397	43	161739	149.161	ug/l	98
19) Methyl tert-butyl Ether	5.135	73	817565	156.498	ug/l	99
20) Methylene Chloride	4.635	84	335626	150.345	ug/l	98
21) trans-1,2-Dichloroethene	5.135	96	373801	153.713	ug/l	98
22) Diisopropyl ether	6.037	45	969992	153.185	ug/l	97
23) Vinyl Acetate	5.976	43	2722107	776.741	ug/l	99
24) 1,1-Dichloroethane	5.933	63	620975	154.703	ug/l	100
25) 2-Butanone	6.909	43	380944	749.216	ug/l	98
26) 2,2-Dichloropropane	6.903	77	591403	149.583	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	424941	154.834	ug/l	99
28) Bromochloromethane	7.256	49	247375	153.128	ug/l	100
29) Tetrahydrofuran	7.274	42	258283	762.199	ug/l	98
30) Chloroform	7.433	83	658549	155.015	ug/l	100
31) Cyclohexane	7.713	56	567808	143.926	ug/l	96
32) 1,1,1-Trichloroethane	7.628	97	638490	154.945	ug/l	100
36) 1,1-Dichloropropene	7.847	75	497951	153.542	ug/l	100
37) Ethyl Acetate	6.994	43	185129	147.131	ug/l	99
38) Carbon Tetrachloride	7.829	117	607007	155.205	ug/l	99
39) Methylcyclohexane	9.116	83	694607	158.206	ug/l	100
40) Benzene	8.091	78	1462146	153.678	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	113732	171.106	ug/l	93
42) 1,2-Dichloroethane	8.171	62	363795	153.667	ug/l	99
43) Isopropyl Acetate	8.207	43	384473	161.137	ug/l	100
44) Trichloroethene	8.872	130	403442	156.082	ug/l	100
45) 1,2-Dichloropropane	9.152	63	328095	156.221	ug/l	97
46) Dibromomethane	9.237	93	185339	155.229	ug/l	99
47) Bromodichloromethane	9.433	83	499364	157.187	ug/l	98
48) Methyl methacrylate	9.225	41	181962	161.667	ug/l	99
49) 1,4-Dioxane	9.237	88	37947	3086.764	ug/l	94
51) 4-Methyl-2-Pentanone	10.006	43	938516	780.092	ug/l	98
52) Toluene	10.176	92	952872	155.721	ug/l	99
53) t-1,3-Dichloropropene	10.402	75	469597	161.215	ug/l	99
54) cis-1,3-Dichloropropene	9.865	75	552753	158.921	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	248552	154.005	ug/l	98
56) Ethyl methacrylate	10.445	69	356853	168.715	ug/l	98
57) 1,3-Dichloropropane	10.725	76	422652	154.155	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	803761	837.262	ug/l	99
59) 2-Hexanone	10.768	43	624904	807.765	ug/l	100
60) Dibromochloromethane	10.920	129	359156	158.120	ug/l	98
61) 1,2-Dibromoethane	11.024	107	240533	155.820	ug/l	99
64) Tetrachloroethene	10.658	164	369115	154.318	ug/l	98
65) Chlorobenzene	11.450	112	1043145	155.201	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	367808	153.997	ug/l	100
67) Ethyl Benzene	11.524	91	1832080	156.212	ug/l	100
68) m/p-Xylenes	11.639	106	1400598	311.877	ug/l	100
69) o-Xylene	11.963	106	654879	156.114	ug/l	99
70) Styrene	11.975	104	1084023	157.680	ug/l	99
71) Bromoform	12.139	173	208492	154.159	ug/l #	99
73) Isopropylbenzene	12.261	105	1743202	158.495	ug/l	100
74) N-amyl acetate	12.078	43	332775	170.034	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.517	83	262465	153.376	ug/l	99
76) 1,2,3-Trichloropropane	12.566	75	166975m	147.884	ug/l	
77) Bromobenzene	12.542	156	408593	158.485	ug/l	99
78) n-propylbenzene	12.603	91	2002187	156.282	ug/l	99
79) 2-Chlorotoluene	12.688	91	1136871	156.460	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	1378679	156.003	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	96991	165.961	ug/l	99
82) 4-Chlorotoluene	12.786	91	1143182	154.069	ug/l	99
83) tert-Butylbenzene	13.005	119	1267671	155.515	ug/l	97
84) 1,2,4-Trimethylbenzene	13.054	105	1368819	157.334	ug/l	100
85) sec-Butylbenzene	13.188	105	1818367	156.460	ug/l	100
86) p-Isopropyltoluene	13.298	119	1539802	156.824	ug/l	99
87) 1,3-Dichlorobenzene	13.298	146	758486	153.637	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	744117	153.438	ug/l	100
89) n-Butylbenzene	13.627	91	1380734	159.423	ug/l	99
90) Hexachloroethane	13.889	117	313343	160.650	ug/l	99
91) 1,2-Dichlorobenzene	13.670	146	660246	154.362	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.285	75	41420	161.122	ug/l	99
93) 1,2,4-Trichlorobenzene	14.932	180	449246	174.595	ug/l	99
94) Hexachlorobutadiene	15.035	225	283490	161.033	ug/l	99
95) Naphthalene	15.157	128	774405	187.684	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	381981	176.701	ug/l	99

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

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