

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010625\
 Data File : VY020774.D
 Acq On : 06 Jan 2025 09:38
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Quant Time: Jan 07 01:01:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 00:58:55 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 01/07/2025
 Supervised By :Semsettin Yesilyurt 01/07/2025

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	172814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	258676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	208115	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	98452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	6829	4.649	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	9.300%#		
35) Dibromofluoromethane	7.646	113	8144	5.025	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.060%#		
50) Toluene-d8	10.115	98	24777	4.386	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	8.780%#		
62) 4-Bromofluorobenzene	12.413	95	10343	4.958	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	9.920%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.873	85	6668	5.258	ug/l	97
3) Chloromethane	2.080	50	3718	5.568	ug/l	100
4) Vinyl Chloride	2.214	62	3919	5.279	ug/l	97
5) Bromomethane	2.610	94	3061	5.789	ug/l	94
6) Chloroethane	2.757	64	2385	5.209	ug/l	99
7) Trichlorofluoromethane	3.074	101	11703	5.137	ug/l	87
8) Diethyl Ether	3.464	74	3503	4.917	ug/l	88
9) 1,1,2-Trichlorotrifluo...	3.830	101	7810	5.076	ug/l	96
10) Methyl Iodide	4.019	142	7874	4.775	ug/l	100
11) Tert butyl alcohol	4.878	59	3175	28.606	ug/l #	83
12) 1,1-Dichloroethene	3.811	96	6451	4.787	ug/l	83
13) Acrolein	3.665	56	1097	35.195	ug/l	97
14) Allyl chloride	4.403	41	9900	5.092	ug/l	97
15) Acrylonitrile	5.079	53	7200	23.777	ug/l	98
16) Acetone	3.891	43	5394	25.824	ug/l	93
17) Carbon Disulfide	4.122	76	13718	4.692	ug/l	99
18) Methyl Acetate	4.403	43	3203	4.542	ug/l	99
19) Methyl tert-butyl Ether	5.134	73	18645	4.902	ug/l	99
20) Methylene Chloride	4.634	84	7323	5.077	ug/l	95
21) trans-1,2-Dichloroethene	5.128	96	7615	5.131	ug/l	91
22) Diisopropyl ether	6.037	45	20826	5.028	ug/l	93
23) Vinyl Acetate	5.976	43	54401	23.822	ug/l	98
24) 1,1-Dichloroethane	5.933	63	13914	5.092	ug/l	94
25) 2-Butanone	6.914	43	8038	23.427	ug/l #	85
26) 2,2-Dichloropropane	6.890	77	15081	5.316	ug/l	100
27) cis-1,2-Dichloroethene	6.908	96	9597	5.125	ug/l	99
28) Bromochloromethane	7.262	49	3132	4.248	ug/l #	96
29) Tetrahydrofuran	7.280	42	5014	22.876	ug/l	94
30) Chloroform	7.439	83	16154	5.184	ug/l	93
31) Cyclohexane	7.719	56	12545	5.869	ug/l #	69
32) 1,1,1-Trichloroethane	7.634	97	15803	5.199	ug/l	98
36) 1,1-Dichloropropene	7.847	75	10488	5.074	ug/l	98
37) Ethyl Acetate	7.000	43	4073m	4.951	ug/l	
38) Carbon Tetrachloride	7.829	117	14549	5.056	ug/l	98
39) Methylcyclohexane	9.121	83	12689	5.003	ug/l	92
40) Benzene	8.091	78	32012	5.046	ug/l	99

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41) Methacrylonitrile	7.225	41	2133m	4.528	ug/l	
42) 1,2-Dichloroethane	8.164	62	8645	4.990	ug/l	99
43) Isopropyl Acetate	8.207	43	7813	4.670	ug/l #	86
44) Trichloroethene	8.877	130	9177	5.189	ug/l	97
45) 1,2-Dichloropropane	9.152	63	7103	4.939	ug/l	98
46) Dibromomethane	9.243	93	4203	5.089	ug/l	95
47) Bromodichloromethane	9.432	83	11743	4.965	ug/l	92
48) Methyl methacrylate	9.231	41	3379	4.505	ug/l	94
49) 1,4-Dioxane	9.237	88	744	84.848	ug/l	96
51) 4-Methyl-2-Pentanone	10.005	43	18516	22.152	ug/l	99
52) Toluene	10.182	92	20710	4.930	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	9533	4.532	ug/l	93
54) cis-1,3-Dichloropropene	9.865	75	12060	4.936	ug/l	98
55) 1,1,2-Trichloroethane	10.585	97	5954	5.046	ug/l	99
56) Ethyl methacrylate	10.450	69	6360	4.268	ug/l	100
57) 1,3-Dichloropropane	10.725	76	9249	4.809	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	12221	20.674	ug/l	100
59) 2-Hexanone	10.767	43	11110	20.718	ug/l	97
60) Dibromochloromethane	10.920	129	8374	4.894	ug/l	98
61) 1,2-Dibromoethane	11.023	107	5062	4.779	ug/l	97
64) Tetrachloroethene	10.658	164	7660	5.006	ug/l	92
65) Chlorobenzene	11.450	112	23324	5.069	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.523	131	9042	5.162	ug/l	98
67) Ethyl Benzene	11.529	91	38971	4.892	ug/l	99
68) m/p-Xylenes	11.639	106	30596	9.975	ug/l	97
69) o-Xylene	11.962	106	14403	4.953	ug/l	94
70) Styrene	11.981	104	23818	4.865	ug/l	99
71) Bromoform	12.139	173	4920	4.941	ug/l #	98
73) Isopropylbenzene	12.261	105	39067	5.002	ug/l	98
74) N-amyl acetate	12.078	43	5370	4.203	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.517	83	5781	4.884	ug/l	95
76) 1,2,3-Trichloropropane	12.566	75	4555m	5.227	ug/l	
77) Bromobenzene	12.541	156	8978	4.986	ug/l	95
78) n-propylbenzene	12.602	91	44177	4.983	ug/l	99
79) 2-Chlorotoluene	12.688	91	25727	5.039	ug/l	99
80) 1,3,5-Trimethylbenzene	12.749	105	31817	5.027	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	1765	4.320	ug/l #	90
82) 4-Chlorotoluene	12.785	91	26873	5.101	ug/l	99
83) tert-Butylbenzene	13.011	119	28735	4.854	ug/l	98
84) 1,2,4-Trimethylbenzene	13.054	105	29973	4.849	ug/l	96
85) sec-Butylbenzene	13.188	105	41503	5.019	ug/l	100
86) p-Isopropyltoluene	13.304	119	34326	4.866	ug/l	98
87) 1,3-Dichlorobenzene	13.297	146	18353	5.245	ug/l	99
88) 1,4-Dichlorobenzene	13.377	146	17877	5.191	ug/l	95
89) n-Butylbenzene	13.627	91	29673	4.849	ug/l	99
90) Hexachloroethane	13.889	117	7287	5.145	ug/l	99
91) 1,2-Dichlorobenzene	13.669	146	15707	5.134	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.291	75	873	4.561	ug/l	95
93) 1,2,4-Trichlorobenzene	14.931	180	7399	4.203	ug/l	99
94) Hexachlorobutadiene	15.035	225	5882	4.739	ug/l	98
95) Naphthalene	15.157	128	11390	3.931	ug/l	99
96) 1,2,3-Trichlorobenzene	15.346	180	6290	4.264	ug/l	97

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

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