

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022493.D
 Acq On : 02 Jun 2025 12:32
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/03/2025
 Supervised By : Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	217359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	369398	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	314276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	144385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	48383	20.457	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	40.920%#		
35) Dibromofluoromethane	7.640	113	44482	20.456	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.920%#		
50) Toluene-d8	10.109	98	171165	19.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.940%#		
62) 4-Bromofluorobenzene	12.408	95	51231	19.225	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.440%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	43056	22.669	ug/l	99
3) Chloromethane	2.068	50	124441	22.209	ug/l	98
4) Vinyl Chloride	2.208	62	143182	21.833	ug/l	99
5) Bromomethane	2.592	94	148203	23.891	ug/l	99
6) Chloroethane	2.739	64	104116	23.188	ug/l	98
7) Trichlorofluoromethane	3.056	101	124370	22.320	ug/l	94
8) Diethyl Ether	3.458	74	27359	22.230	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	49746	21.283	ug/l	99
10) Methyl Iodide	4.013	142	52917	21.112	ug/l	99
11) Tert butyl alcohol	4.891	59	19456	115.163	ug/l	96
12) 1,1-Dichloroethene	3.793	96	47770	21.411	ug/l	100
13) Acrolein	3.659	56	22974	111.404	ug/l	98
14) Allyl chloride	4.391	41	73926	21.263	ug/l	98
15) Acrylonitrile	5.073	53	57803	110.420	ug/l	97
16) Acetone	3.885	43	52330	111.925	ug/l	99
17) Carbon Disulfide	4.110	76	150515	21.130	ug/l	99
18) Methyl Acetate	4.397	43	34419	24.470	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	136549	21.935	ug/l	98
20) Methylene Chloride	4.622	84	55399	21.222	ug/l	98
21) trans-1,2-Dichloroethene	5.122	96	53194	21.342	ug/l	93
22) Diisopropyl ether	6.031	45	168064	21.739	ug/l	97
23) Vinyl Acetate	5.970	43	497937	108.569	ug/l	99
24) 1,1-Dichloroethane	5.927	63	97760	21.392	ug/l	97
25) 2-Butanone	6.902	43	77329	112.124	ug/l	93
26) 2,2-Dichloropropane	6.890	77	84543	20.811	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	61362	21.300	ug/l	98
28) Bromochloromethane	7.256	49	41634	21.085	ug/l	99
29) Tetrahydrofuran	7.268	42	49517	111.296	ug/l	99
30) Chloroform	7.427	83	96414	21.350	ug/l	96
31) Cyclohexane	7.707	56	95487	20.762	ug/l	97
32) 1,1,1-Trichloroethane	7.628	97	84365	20.905	ug/l	99
36) 1,1-Dichloropropene	7.841	75	72658	20.670	ug/l	98
37) Ethyl Acetate	6.988	43	34204	22.110	ug/l	98
38) Carbon Tetrachloride	7.823	117	73370	20.247	ug/l	93
39) Methylcyclohexane	9.115	83	95280	20.065	ug/l	97
40) Benzene	8.085	78	217595	21.000	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	19470	19.542	ug/l	95
42) 1,2-Dichloroethane	8.164	62	61097	21.676	ug/l	98
43) Isopropyl Acetate	8.201	43	73745	21.814	ug/l	97
44) Trichloroethene	8.872	130	52175	20.613	ug/l	98
45) 1,2-Dichloropropane	9.146	63	52378	21.204	ug/l	99
46) Dibromomethane	9.237	93	29741	21.491	ug/l	99
47) Bromodichloromethane	9.426	83	73717	20.995	ug/l	99
48) Methyl methacrylate	9.225	41	34508	22.294	ug/l	99
49) 1,4-Dioxane	9.237	88	7444	450.895	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	181461	108.147	ug/l	98
52) Toluene	10.176	92	133601	20.508	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	70358	21.660	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	80524	21.141	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	38079	21.849	ug/l	98
56) Ethyl methacrylate	10.444	69	54734	21.626	ug/l	99
57) 1,3-Dichloropropane	10.719	76	66163	21.317	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	118244	104.797	ug/l	100
59) 2-Hexanone	10.761	43	122817	109.805	ug/l	99
60) Dibromochloromethane	10.914	129	47952	21.715	ug/l	98
61) 1,2-Dibromoethane	11.018	107	35324	21.965	ug/l	95
64) Tetrachloroethene	10.652	164	56256	21.063	ug/l	99
65) Chlorobenzene	11.444	112	138583	20.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	47587	20.600	ug/l	98
67) Ethyl Benzene	11.524	91	252180	19.871	ug/l	100
68) m/p-Xylenes	11.633	106	192372	40.053	ug/l	99
69) o-Xylene	11.956	106	90598	20.155	ug/l	98
70) Styrene	11.969	104	149486	20.086	ug/l	98
71) Bromoform	12.133	173	25089	20.668	ug/l #	99
73) Isopropylbenzene	12.255	105	236185	20.303	ug/l	99
74) N-amyl acetate	12.072	43	62437	21.224	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	39986	21.165	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	33589m	17.622	ug/l	
77) Bromobenzene	12.536	156	51416	20.853	ug/l	99
78) n-propylbenzene	12.597	91	286589	20.239	ug/l	99
79) 2-Chlorotoluene	12.682	91	153250	20.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	187101	20.570	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	13897	20.904	ug/l	97
82) 4-Chlorotoluene	12.779	91	154601	19.951	ug/l	99
83) tert-Butylbenzene	12.999	119	167512	20.188	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	184202	20.241	ug/l	100
85) sec-Butylbenzene	13.176	105	251350	19.979	ug/l	100
86) p-Isopropyltoluene	13.292	119	207417	20.054	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	99901	20.252	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	100082	20.823	ug/l	98
89) n-Butylbenzene	13.621	91	199786	20.287	ug/l	99
90) Hexachloroethane	13.883	117	41119	20.316	ug/l	100
91) 1,2-Dichlorobenzene	13.663	146	89355	21.085	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5939	20.796	ug/l	94
93) 1,2,4-Trichlorobenzene	14.925	180	46919	20.254	ug/l	99
94) Hexachlorobutadiene	15.023	225	25462	20.124	ug/l	99
95) Naphthalene	15.145	128	93203	20.994	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	41131	20.892	ug/l	98

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

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