

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050525\
 Data File : VY022147.D
 Acq On : 05 May 2025 09:55
 Operator : SY/MD
 Sample : VY0505SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0505SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/06/2025
 Supervised By :Semsettin Yesilyurt 05/06/2025

Quant Time: May 06 05:19:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	283597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	437631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	395977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	212383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	130743	49.911	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.820%		
35) Dibromofluoromethane	7.634	113	142785	49.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.780%		
50) Toluene-d8	10.109	98	533457	48.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.880%		
62) 4-Bromofluorobenzene	12.408	95	183926	50.125	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.240%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	45521	18.837	ug/l	99
3) Chloromethane	2.068	50	68631	19.946	ug/l	97
4) Vinyl Chloride	2.202	62	83953	19.855	ug/l	98
5) Bromomethane	2.592	94	80640	22.136	ug/l	99
6) Chloroethane	2.732	64	59493	20.659	ug/l	96
7) Trichlorofluoromethane	3.056	101	114277	20.496	ug/l	96
8) Diethyl Ether	3.452	74	27528	18.969	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	62536	20.675	ug/l	99
10) Methyl Iodide	4.007	142	62685	17.900	ug/l	98
11) Tert butyl alcohol	4.884	59	13817	96.078	ug/l	97
12) 1,1-Dichloroethene	3.793	96	56505	20.042	ug/l	99
13) Acrolein	3.653	56	12255	47.479	ug/l	100
14) Allyl chloride	4.385	41	64034	19.506	ug/l	99
15) Acrylonitrile	5.061	53	50219	94.524	ug/l	99
16) Acetone	3.872	43	36620	93.425	ug/l	98
17) Carbon Disulfide	4.104	76	172376	19.176	ug/l	99
18) Methyl Acetate	4.391	43	24946	20.387	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	122495	19.413	ug/l	94
20) Methylene Chloride	4.616	84	61860	18.676	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	62716	19.863	ug/l	99
22) Diisopropyl ether	6.018	45	147220	20.152	ug/l	95
23) Vinyl Acetate	5.964	43	381169	96.815	ug/l	100
24) 1,1-Dichloroethane	5.915	63	102019	20.147	ug/l	99
25) 2-Butanone	6.902	43	55008	92.124	ug/l	97
26) 2,2-Dichloropropane	6.884	77	93959	21.170	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	70002	19.828	ug/l	99
28) Bromochloromethane	7.250	49	40301	20.490	ug/l	100
29) Tetrahydrofuran	7.268	42	36635	94.466	ug/l	100
30) Chloroform	7.421	83	113922	20.282	ug/l	99
31) Cyclohexane	7.707	56	85669	19.784	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	105659	20.792	ug/l	100
36) 1,1-Dichloropropene	7.835	75	79161	20.383	ug/l	99
37) Ethyl Acetate	6.982	43	26192	18.778	ug/l	99
38) Carbon Tetrachloride	7.817	117	97921	21.100	ug/l	99
39) Methylcyclohexane	9.109	83	96393	19.723	ug/l	96
40) Benzene	8.079	78	245125	20.191	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	13405	17.581	ug/l	90
42) 1,2-Dichloroethane	8.158	62	63069	20.983	ug/l	100
43) Isopropyl Acetate	8.201	43	51461	19.211	ug/l	98
44) Trichloroethene	8.865	130	69699	20.727	ug/l	99
45) 1,2-Dichloropropane	9.146	63	54540	20.315	ug/l	99
46) Dibromomethane	9.237	93	33746	20.079	ug/l	99
47) Bromodichloromethane	9.426	83	86130	20.515	ug/l	97
48) Methyl methacrylate	9.225	41	23901	19.301	ug/l	97
49) 1,4-Dioxane	9.237	88	6413	358.012	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	134271	95.622	ug/l	100
52) Toluene	10.170	92	158982	20.231	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	72724	20.194	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	85689	20.017	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	45637	20.329	ug/l	98
56) Ethyl methacrylate	10.438	69	46887	18.264	ug/l	97
57) 1,3-Dichloropropane	10.719	76	72166	20.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	121659	96.924	ug/l	99
59) 2-Hexanone	10.761	43	86027	92.884	ug/l	97
60) Dibromochloromethane	10.914	129	60636	19.509	ug/l	97
61) 1,2-Dibromoethane	11.018	107	41480	19.572	ug/l	100
64) Tetrachloroethene	10.652	164	79383	21.251	ug/l	95
65) Chlorobenzene	11.444	112	177439	20.038	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	62480	20.042	ug/l	98
67) Ethyl Benzene	11.524	91	284474	19.639	ug/l	100
68) m/p-Xylenes	11.627	106	232280	40.298	ug/l	99
69) o-Xylene	11.956	106	105732	19.902	ug/l	99
70) Styrene	11.969	104	176830	19.824	ug/l	99
71) Bromoform	12.133	173	34946	19.281	ug/l #	99
73) Isopropylbenzene	12.255	105	276933	19.517	ug/l	99
74) N-amyl acetate	12.072	43	43915	18.014	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	45282	18.928	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	36757m	20.205	ug/l	
77) Bromobenzene	12.536	156	69315	19.332	ug/l	96
78) n-propylbenzene	12.597	91	338881	20.055	ug/l	100
79) 2-Chlorotoluene	12.682	91	195791	19.923	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	235339	20.129	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	14546	19.255	ug/l	98
82) 4-Chlorotoluene	12.779	91	206233	20.188	ug/l	99
83) tert-Butylbenzene	12.999	119	201521	19.219	ug/l	97
84) 1,2,4-Trimethylbenzene	13.042	105	234406	20.045	ug/l	98
85) sec-Butylbenzene	13.176	105	307501	20.041	ug/l	100
86) p-Isopropyltoluene	13.291	119	260054	19.960	ug/l	98
87) 1,3-Dichlorobenzene	13.291	146	142760	19.604	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	140689	19.507	ug/l	100
89) n-Butylbenzene	13.621	91	227203	19.510	ug/l	100
90) Hexachloroethane	13.883	117	57209	19.985	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	123286	19.410	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	7469	19.624	ug/l	86
93) 1,2,4-Trichlorobenzene	14.925	180	66121	18.371	ug/l	97
94) Hexachlorobutadiene	15.023	225	43136	19.479	ug/l	100
95) Naphthalene	15.145	128	101830	17.031	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	57120	18.385	ug/l	98

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

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