

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021990.D
 Acq On : 24 Apr 2025 09:58
 Operator : SY/MD
 Sample : VY0424SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0424SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/25/2025
 Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 25 01:23:02 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	308432	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479951	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	439890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	232357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	142423	49.992	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.980%		
35) Dibromofluoromethane	7.634	113	153978	48.561	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.120%		
50) Toluene-d8	10.109	98	594509	49.733	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.460%		
62) 4-Bromofluorobenzene	12.408	95	195023	48.463	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.920%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	53395	20.317	ug/l	98
3) Chloromethane	2.068	50	81350	21.739	ug/l	99
4) Vinyl Chloride	2.202	62	93329	20.295	ug/l	97
5) Bromomethane	2.592	94	90394	22.816	ug/l	96
6) Chloroethane	2.733	64	64911	20.726	ug/l	99
7) Trichlorofluoromethane	3.056	101	124944	20.604	ug/l	96
8) Diethyl Ether	3.458	74	32068	20.318	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	65693	19.970	ug/l	99
10) Methyl Iodide	4.001	142	76796	20.164	ug/l	99
11) Tert butyl alcohol	4.885	59	16294	104.179	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	59859	19.523	ug/l	98
13) Acrolein	3.659	56	26908	95.855	ug/l	99
14) Allyl chloride	4.391	41	69273	19.403	ug/l	99
15) Acrylonitrile	5.068	53	59606	103.159	ug/l	98
16) Acetone	3.879	43	42404	100.981	ug/l	95
17) Carbon Disulfide	4.104	76	196136	20.062	ug/l	97
18) Methyl Acetate	4.391	43	28280	21.250	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	138129	20.128	ug/l	98
20) Methylene Chloride	4.616	84	68979	19.148	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	66942	19.495	ug/l	93
22) Diisopropyl ether	6.025	45	162049	20.396	ug/l	97
23) Vinyl Acetate	5.964	43	438629	102.439	ug/l	99
24) 1,1-Dichloroethane	5.921	63	109542	19.891	ug/l	98
25) 2-Butanone	6.896	43	64958	100.028	ug/l	98
26) 2,2-Dichloropropane	6.884	77	96783	20.051	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	76009	19.796	ug/l	99
28) Bromochloromethane	7.244	49	43286	20.236	ug/l	99
29) Tetrahydrofuran	7.268	42	44496	105.497	ug/l	98
30) Chloroform	7.421	83	123350	20.193	ug/l	99
31) Cyclohexane	7.707	56	93030	19.754	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	110573	20.007	ug/l	99
36) 1,1-Dichloropropene	7.835	75	84040	19.731	ug/l	99
37) Ethyl Acetate	6.988	43	31037	20.289	ug/l	97
38) Carbon Tetrachloride	7.817	117	101137	19.872	ug/l	98
39) Methylcyclohexane	9.110	83	103178	19.250	ug/l	99
40) Benzene	8.079	78	266686	20.030	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	15719	18.798	ug/l #	86
42) 1,2-Dichloroethane	8.158	62	68984	20.927	ug/l	99
43) Isopropyl Acetate	8.201	43	59535	20.266	ug/l	98
44) Trichloroethene	8.866	130	73865	20.029	ug/l	100
45) 1,2-Dichloropropane	9.140	63	59834	20.321	ug/l	93
46) Dibromomethane	9.231	93	38440	20.856	ug/l	97
47) Bromodichloromethane	9.427	83	92353	20.057	ug/l	100
48) Methyl methacrylate	9.219	41	27665	20.371	ug/l	97
49) 1,4-Dioxane	9.244	88	8086	411.606	ug/l	93
51) 4-Methyl-2-Pentanone	10.000	43	161173	104.660	ug/l	99
52) Toluene	10.170	92	174374	20.233	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	80167	20.298	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	93198	19.851	ug/l	95
55) 1,1,2-Trichloroethane	10.573	97	51923	21.090	ug/l	97
56) Ethyl methacrylate	10.439	69	55104	19.572	ug/l	99
57) 1,3-Dichloropropane	10.719	76	80416	20.374	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	141510	102.798	ug/l	98
59) 2-Hexanone	10.762	43	106792	105.137	ug/l	98
60) Dibromochloromethane	10.914	129	70069	20.556	ug/l	100
61) 1,2-Dibromoethane	11.018	107	48281	20.772	ug/l	98
64) Tetrachloroethene	10.646	164	82408	19.858	ug/l	99
65) Chlorobenzene	11.444	112	194712	19.794	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	69330	20.019	ug/l	99
67) Ethyl Benzene	11.518	91	310924	19.322	ug/l	99
68) m/p-Xylenes	11.627	106	252914	39.497	ug/l	99
69) o-Xylene	11.957	106	114348	19.375	ug/l	100
70) Styrene	11.969	104	195230	19.702	ug/l	99
71) Bromoform	12.133	173	40540	20.134	ug/l #	98
73) Isopropylbenzene	12.255	105	298059	19.200	ug/l	98
74) N-amyl acetate	12.072	43	51733	19.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	54499	20.823	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	40771m	20.485	ug/l	
77) Bromobenzene	12.530	156	78623	20.043	ug/l	99
78) n-propylbenzene	12.597	91	363025	19.637	ug/l	100
79) 2-Chlorotoluene	12.682	91	210369	19.567	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	250705	19.600	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	16797	20.324	ug/l	98
82) 4-Chlorotoluene	12.780	91	227754	20.378	ug/l	100
83) tert-Butylbenzene	12.999	119	220527	19.224	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	253585	19.821	ug/l	98
85) sec-Butylbenzene	13.176	105	327384	19.503	ug/l	100
86) p-Isopropyltoluene	13.292	119	274567	19.262	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	156939	19.698	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	156216	19.798	ug/l	99
89) n-Butylbenzene	13.615	91	239124	18.768	ug/l	99
90) Hexachloroethane	13.877	117	59923	19.134	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	135878	19.554	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8269	19.858	ug/l	92
93) 1,2,4-Trichlorobenzene	14.919	180	73724	18.723	ug/l	100
94) Hexachlorobutadiene	15.023	225	46684	19.269	ug/l	98
95) Naphthalene	15.145	128	120616	18.439	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	64827	19.072	ug/l	98

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

