

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021613.D
 Acq On : 24 Mar 2025 12:49
 Operator : SY/MD
 Sample : VY0324SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0324SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/26/2025
 Supervised By :Semsettin Yesilyurt 03/26/2025

Quant Time: Mar 25 01:29:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	184347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	282510	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	248626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	133143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	102138	52.420	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.840%			
35) Dibromofluoromethane	7.634	113	97858	52.697	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.400%			
50) Toluene-d8	10.103	98	361919	51.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 102.940%			
62) 4-Bromofluorobenzene	12.401	95	126300	52.808	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.860	85	31517	18.631	ug/l	99
3) Chloromethane	2.068	50	44923	18.835	ug/l	96
4) Vinyl Chloride	2.202	62	53090	20.369	ug/l	100
5) Bromomethane	2.586	94	38269	20.315	ug/l	96
6) Chloroethane	2.726	64	36822	21.378	ug/l	94
7) Trichlorofluoromethane	3.055	101	83973	23.083	ug/l	98
8) Diethyl Ether	3.452	74	20229	20.065	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.805	101	43457	20.923	ug/l	98
10) Methyl Iodide	4.006	142	39856	18.877	ug/l	98
11) Tert butyl alcohol	4.860	59	13965	96.390	ug/l	95
12) 1,1-Dichloroethene	3.793	96	38466	20.313	ug/l	81
13) Acrolein	3.647	56	8663	87.412	ug/l	93
14) Allyl chloride	4.384	41	61012	19.937	ug/l	98
15) Acrylonitrile	5.055	53	47879	111.562	ug/l	98
16) Acetone	3.866	43	42612	100.270	ug/l	96
17) Carbon Disulfide	4.098	76	94886	15.989	ug/l	98
18) Methyl Acetate	4.384	43	21114	22.392	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	100759	20.993	ug/l	98
20) Methylene Chloride	4.610	84	53205	23.851	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	41083	19.372	ug/l	95
22) Diisopropyl ether	6.018	45	139390	21.136	ug/l	98
23) Vinyl Acetate	5.957	43	394308	104.762	ug/l	99
24) 1,1-Dichloroethane	5.915	63	81303	20.888	ug/l	99
25) 2-Butanone	6.890	43	62785	106.802	ug/l	96
26) 2,2-Dichloropropane	6.884	77	71770	20.039	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	49342	20.481	ug/l	98
28) Bromochloromethane	7.244	49	31408	19.247	ug/l	100
29) Tetrahydrofuran	7.262	42	38964	107.363	ug/l	98
30) Chloroform	7.414	83	85602	21.179	ug/l	97
31) Cyclohexane	7.701	56	65123	17.846	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	77510	20.944	ug/l	100
36) 1,1-Dichloropropene	7.835	75	57155	19.663	ug/l	99
37) Ethyl Acetate	6.981	43	28572	22.239	ug/l	99
38) Carbon Tetrachloride	7.811	117	70796	21.177	ug/l	94
39) Methylcyclohexane	9.109	83	65608	18.401	ug/l	98
40) Benzene	8.079	78	175351	20.479	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	14620	20.899	ug/l #	91
42) 1,2-Dichloroethane	8.158	62	51030	21.303	ug/l	99
43) Isopropyl Acetate	8.195	43	54802	21.973	ug/l #	86
44) Trichloroethene	8.859	130	45864	21.196	ug/l	98
45) 1,2-Dichloropropane	9.140	63	43310	21.252	ug/l	98
46) Dibromomethane	9.231	93	25450	22.444	ug/l	99
47) Bromodichloromethane	9.420	83	66516	22.089	ug/l	96
48) Methyl methacrylate	9.219	41	24039	20.990	ug/l	98
49) 1,4-Dioxane	9.231	88	5451	489.768	ug/l	92
51) 4-Methyl-2-Pentanone	9.999	43	142293	110.576	ug/l	100
52) Toluene	10.170	92	112531	20.845	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	57871	21.813	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	66048	20.969	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	33471	22.566	ug/l	96
56) Ethyl methacrylate	10.438	69	40599	21.462	ug/l	100
57) 1,3-Dichloropropane	10.713	76	55693	21.664	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	99079	113.459	ug/l	100
59) 2-Hexanone	10.761	43	94596	111.173	ug/l	98
60) Dibromochloromethane	10.914	129	46157	22.699	ug/l	97
61) 1,2-Dibromoethane	11.017	107	30803	22.004	ug/l	98
64) Tetrachloroethene	10.645	164	49923	24.693	ug/l	98
65) Chlorobenzene	11.438	112	123750	21.077	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.511	131	45487	21.913	ug/l	99
67) Ethyl Benzene	11.517	91	206296	20.019	ug/l	99
68) m/p-Xylenes	11.627	106	162166	41.450	ug/l	99
69) o-Xylene	11.956	106	73810	20.470	ug/l	100
70) Styrene	11.968	104	126501	21.148	ug/l	100
71) Bromoform	12.133	173	26751	23.054	ug/l #	99
73) Isopropylbenzene	12.255	105	202176	19.277	ug/l	99
74) N-amyl acetate	12.066	43	46349	20.349	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	37558	20.293	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	28212m	21.028	ug/l	
77) Bromobenzene	12.529	156	49536	20.189	ug/l	97
78) n-propylbenzene	12.596	91	250447	19.662	ug/l	100
79) 2-Chlorotoluene	12.676	91	142785	19.605	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	168640	19.786	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11709	19.840	ug/l	97
82) 4-Chlorotoluene	12.779	91	151121	20.038	ug/l	99
83) tert-Butylbenzene	12.999	119	152139	20.009	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	169692	20.052	ug/l	99
85) sec-Butylbenzene	13.175	105	227378	20.099	ug/l	100
86) p-Isopropyltoluene	13.291	119	186551	20.016	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	101479	20.777	ug/l	99
88) 1,4-Dichlorobenzene	13.364	146	98863	20.697	ug/l	99
89) n-Butylbenzene	13.614	91	175942	20.444	ug/l	99
90) Hexachloroethane	13.883	117	40836	20.538	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	88822	21.218	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6232	22.479	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	50930	22.274	ug/l	98
94) Hexachlorobutadiene	15.023	225	33053	23.061	ug/l	98
95) Naphthalene	15.145	128	80284	22.756	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	43386	22.561	ug/l	100

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

