

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
 Data File : VY021612.D
 Acq On : 24 Mar 2025 12:27
 Operator : SY/MD
 Sample : VY0324SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 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 01:29:29 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	199873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	313175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	277576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150494	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	98428	46.592	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	93.180%		
35) Dibromofluoromethane	7.634	113	93884	45.607	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.220%		
50) Toluene-d8	10.103	98	345626	44.343	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.680%		
62) 4-Bromofluorobenzene	12.408	95	119258	44.981	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	89.960%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	33624	18.332	ug/l	100
3) Chloromethane	2.068	50	48733	18.846	ug/l	99
4) Vinyl Chloride	2.202	62	54864	19.415	ug/l	99
5) Bromomethane	2.586	94	43455	21.277	ug/l	94
6) Chloroethane	2.733	64	40149	21.499	ug/l	96
7) Trichlorofluoromethane	3.056	101	89624	22.722	ug/l	100
8) Diethyl Ether	3.452	74	23908	21.872	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	46746	20.758	ug/l	98
10) Methyl Iodide	4.001	142	39631	17.313	ug/l	98
11) Tert butyl alcohol	4.860	59	15787	101.558	ug/l #	92
12) 1,1-Dichloroethene	3.787	96	40247	19.603	ug/l	91
13) Acrolein	3.653	56	8861	82.465	ug/l	93
14) Allyl chloride	4.379	41	63783	19.224	ug/l	99
15) Acrylonitrile	5.055	53	53014	113.931	ug/l	98
16) Acetone	3.873	43	40275	87.409	ug/l	95
17) Carbon Disulfide	4.104	76	102778	15.973	ug/l	100
18) Methyl Acetate	4.379	43	23595	23.079	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	110873	21.306	ug/l	98
20) Methylene Chloride	4.610	84	56390	23.315	ug/l	93
21) trans-1,2-Dichloroethene	5.110	96	43420	18.884	ug/l	93
22) Diisopropyl ether	6.013	45	151567	21.197	ug/l	98
23) Vinyl Acetate	5.958	43	429753	105.310	ug/l	99
24) 1,1-Dichloroethane	5.915	63	88263	20.914	ug/l	99
25) 2-Butanone	6.890	43	65887	103.372	ug/l	96
26) 2,2-Dichloropropane	6.884	77	72995	18.798	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	53701	20.558	ug/l	96
28) Bromochloromethane	7.244	49	33259	18.798	ug/l	98
29) Tetrahydrofuran	7.256	42	43493	110.533	ug/l	98
30) Chloroform	7.421	83	93757	21.395	ug/l	98
31) Cyclohexane	7.701	56	69767	17.634	ug/l #	94
32) 1,1,1-Trichloroethane	7.616	97	82665	20.602	ug/l	99
36) 1,1-Dichloropropene	7.829	75	60737	18.849	ug/l	99
37) Ethyl Acetate	6.982	43	29959	21.036	ug/l	99
38) Carbon Tetrachloride	7.817	117	74215	20.026	ug/l	99
39) Methylcyclohexane	9.110	83	69854	17.673	ug/l	99
40) Benzene	8.079	78	188484	19.857	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.214	41	14212	18.327	ug/l #	80
42) 1,2-Dichloroethane	8.158	62	56207	21.167	ug/l	99
43) Isopropyl Acetate	8.195	43	60821	21.999	ug/l #	87
44) Trichloroethene	8.866	130	48845	20.364	ug/l	99
45) 1,2-Dichloropropane	9.140	63	47178	20.883	ug/l	98
46) Dibromomethane	9.231	93	26337	20.952	ug/l	98
47) Bromodichloromethane	9.420	83	73063	21.887	ug/l	95
48) Methyl methacrylate	9.219	41	26184	20.625	ug/l	93
49) 1,4-Dioxane	9.238	88	6106	494.900	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	162447	113.877	ug/l	97
52) Toluene	10.170	92	121669	20.331	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	61282	20.837	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	71389	20.445	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	37065	22.542	ug/l	96
56) Ethyl methacrylate	10.439	69	43836	20.904	ug/l	99
57) 1,3-Dichloropropane	10.719	76	61603	21.616	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	101527	104.878	ug/l	99
59) 2-Hexanone	10.762	43	105354	111.693	ug/l	98
60) Dibromochloromethane	10.914	129	50059	22.207	ug/l	99
61) 1,2-Dibromoethane	11.012	107	33734	21.738	ug/l	99
64) Tetrachloroethene	10.646	164	53752	23.814	ug/l	98
65) Chlorobenzene	11.438	112	134044	20.450	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	50475	21.780	ug/l	98
67) Ethyl Benzene	11.518	91	223252	19.405	ug/l	99
68) m/p-Xylenes	11.627	106	173682	39.763	ug/l	100
69) o-Xylene	11.957	106	81595	20.269	ug/l	98
70) Styrene	11.969	104	136978	20.511	ug/l	100
71) Bromoform	12.127	173	29900	23.080	ug/l	100
73) Isopropylbenzene	12.255	105	219695	18.532	ug/l	100
74) N-amyl acetate	12.072	43	52575	20.421	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	42010	20.082	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	31167m	20.552	ug/l	
77) Bromobenzene	12.530	156	53342	19.233	ug/l	97
78) n-propylbenzene	12.597	91	265799	18.462	ug/l	100
79) 2-Chlorotoluene	12.676	91	153403	18.634	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	182666	18.961	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	12335	18.491	ug/l	97
82) 4-Chlorotoluene	12.774	91	159828	18.749	ug/l	99
83) tert-Butylbenzene	12.999	119	162925	18.957	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	183989	19.235	ug/l	99
85) sec-Butylbenzene	13.176	105	241399	18.878	ug/l	99
86) p-Isopropyltoluene	13.292	119	199471	18.935	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	108328	19.622	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	107647	19.938	ug/l	99
89) n-Butylbenzene	13.621	91	184675	18.984	ug/l	99
90) Hexachloroethane	13.877	117	43176	19.212	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	96633	20.423	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6855	21.875	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	53922	20.864	ug/l	97
94) Hexachlorobutadiene	15.023	225	34252	21.143	ug/l	100
95) Naphthalene	15.145	128	87380	21.998	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	47159	21.696	ug/l	99

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

