

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040425\
 Data File : VY021778.D
 Acq On : 04 Apr 2025 10:26
 Operator : SY/MD
 Sample : VY0404SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0404SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/07/2025
 Supervised By :Semsettin Yesilyurt 04/07/2025

Quant Time: Apr 04 23:38:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	212143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	333501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	293102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	152811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	120482	52.418	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.840%			
35) Dibromofluoromethane	7.634	113	115347	53.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.103	98	442990	53.826	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.660%			
62) 4-Bromofluorobenzene	12.408	95	147041	52.820	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	41144	18.712	ug/l	99
3) Chloromethane	2.068	50	58954	19.068	ug/l	99
4) Vinyl Chloride	2.202	62	65062	18.607	ug/l	97
5) Bromomethane	2.592	94	47976	20.117	ug/l	95
6) Chloroethane	2.732	64	43877	19.177	ug/l	96
7) Trichlorofluoromethane	3.056	101	89235	19.922	ug/l	100
8) Diethyl Ether	3.458	74	22185	18.213	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	48570	20.560	ug/l	98
10) Methyl Iodide	4.000	142	44798	17.285	ug/l	99
11) Tert butyl alcohol	4.866	59	12244	82.013	ug/l	95
12) 1,1-Dichloroethene	3.793	96	42906	19.282	ug/l	92
13) Acrolein	3.647	56	16463	60.392	ug/l	99
14) Allyl chloride	4.378	41	67265	18.959	ug/l	100
15) Acrylonitrile	5.055	53	45360	89.186	ug/l	99
16) Acetone	3.872	43	40290	85.648	ug/l	96
17) Carbon Disulfide	4.104	76	137006	18.693	ug/l	98
18) Methyl Acetate	4.391	43	20676	17.734	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	100727	18.182	ug/l	99
20) Methylene Chloride	4.616	84	49303	19.022	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	46460	18.963	ug/l	97
22) Diisopropyl ether	6.018	45	146797	19.724	ug/l	99
23) Vinyl Acetate	5.957	43	398090	91.434	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88158	19.810	ug/l	99
25) 2-Butanone	6.896	43	58346	86.838	ug/l	100
26) 2,2-Dichloropropane	6.884	77	79277	20.027	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	53845	19.543	ug/l	98
28) Bromochloromethane	7.244	49	36923	19.673	ug/l	99
29) Tetrahydrofuran	7.262	42	37289	86.232	ug/l	99
30) Chloroform	7.421	83	91381	19.742	ug/l	98
31) Cyclohexane	7.701	56	79706	19.648	ug/l	92
32) 1,1,1-Trichloroethane	7.616	97	82677	19.763	ug/l	99
36) 1,1-Dichloropropene	7.835	75	66538	20.193	ug/l	100
37) Ethyl Acetate	6.982	43	27198	17.489	ug/l	98
38) Carbon Tetrachloride	7.817	117	76509	20.272	ug/l	97
39) Methylcyclohexane	9.109	83	76412	19.412	ug/l	96
40) Benzene	8.079	78	195115	19.772	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	17734m	21.473	ug/l	
42) 1,2-Dichloroethane	8.158	62	54315	19.524	ug/l	99
43) Isopropyl Acetate	8.195	43	52154	17.697	ug/l	100
44) Trichloroethene	8.865	130	51288	20.398	ug/l	100
45) 1,2-Dichloropropane	9.140	63	46551	19.929	ug/l	93
46) Dibromomethane	9.231	93	25248	18.755	ug/l	99
47) Bromodichloromethane	9.420	83	68808	19.726	ug/l	97
48) Methyl methacrylate	9.219	41	23114	17.089	ug/l	96
49) 1,4-Dioxane	9.231	88	4846	336.031	ug/l	88
51) 4-Methyl-2-Pentanone	9.999	43	135987	88.669	ug/l	99
52) Toluene	10.170	92	123058	19.987	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	59016	19.048	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	70388	19.257	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	33954	19.599	ug/l	98
56) Ethyl methacrylate	10.438	69	40236	18.189	ug/l	98
57) 1,3-Dichloropropane	10.719	76	56667	18.940	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	102441	94.929	ug/l	99
59) 2-Hexanone	10.761	43	87999	86.157	ug/l	99
60) Dibromochloromethane	10.908	129	45764	19.348	ug/l	98
61) 1,2-Dibromoethane	11.011	107	31019	19.087	ug/l	98
64) Tetrachloroethene	10.646	164	57226	21.437	ug/l	100
65) Chlorobenzene	11.444	112	132663	19.745	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.511	131	48189	20.215	ug/l	99
67) Ethyl Benzene	11.517	91	225955	19.612	ug/l	100
68) m/p-Xylenes	11.627	106	172512	39.102	ug/l	100
69) o-Xylene	11.956	106	80655	19.805	ug/l	98
70) Styrene	11.969	104	133338	19.637	ug/l	99
71) Bromoform	12.133	173	25637	18.854	ug/l #	100
73) Isopropylbenzene	12.255	105	212669	18.738	ug/l	99
74) N-amyl acetate	12.072	43	42780	16.060	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	34853	17.080	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	27600m	18.221	ug/l	
77) Bromobenzene	12.529	156	51842	19.024	ug/l	97
78) n-propylbenzene	12.597	91	266033	19.496	ug/l	100
79) 2-Chlorotoluene	12.682	91	151959	19.174	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	175739	18.945	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	10734	16.328	ug/l	94
82) 4-Chlorotoluene	12.779	91	157038	19.006	ug/l	99
83) tert-Butylbenzene	12.999	119	153946	18.633	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	175765	19.171	ug/l	100
85) sec-Butylbenzene	13.176	105	233999	19.380	ug/l	100
86) p-Isopropyltoluene	13.292	119	193222	19.362	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	101973	18.993	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	100243	18.898	ug/l	97
89) n-Butylbenzene	13.621	91	176297	19.102	ug/l	98
90) Hexachloroethane	13.877	117	42163	19.280	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	89291	19.105	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5533	17.494	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	45347	17.892	ug/l	98
94) Hexachlorobutadiene	15.023	225	30393	19.201	ug/l	98
95) Naphthalene	15.145	128	66390	15.803	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	38305	17.723	ug/l	99

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

