

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040325\
 Data File : VY021766.D
 Acq On : 03 Apr 2025 12:05
 Operator : SY/MD
 Sample : VY0403SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBS01

Quant Time: Apr 04 01:30:07 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	203899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	319045	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	287712	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	148166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114675	51.908	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.820%			
35) Dibromofluoromethane	7.634	113	107264	51.829	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.660%			
50) Toluene-d8	10.103	98	417029	52.967	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.940%			
62) 4-Bromofluorobenzene	12.408	95	139715	52.463	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	38719	18.321	ug/l	97
3) Chloromethane	2.068	50	57634	19.394	ug/l	98
4) Vinyl Chloride	2.202	62	62762	18.675	ug/l	97
5) Bromomethane	2.592	94	46920	20.470	ug/l	95
6) Chloroethane	2.732	64	42378	19.271	ug/l	100
7) Trichlorofluoromethane	3.056	101	84951	19.733	ug/l	100
8) Diethyl Ether	3.458	74	21891	18.698	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	45633	20.097	ug/l	100
10) Methyl Iodide	4.001	142	42760	17.166	ug/l	97
11) Tert butyl alcohol	4.860	59	12579	87.663	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	40280	18.834	ug/l	95
13) Acrolein	3.653	56	17763	67.795	ug/l	99
14) Allyl chloride	4.379	41	64754	18.990	ug/l	99
15) Acrylonitrile	5.061	53	46816	95.771	ug/l	99
16) Acetone	3.873	43	47011	103.976	ug/l	98
17) Carbon Disulfide	4.104	76	130043	18.461	ug/l	99
18) Methyl Acetate	4.385	43	22391	19.982	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	96663	18.154	ug/l	100
20) Methylene Chloride	4.616	84	48989	19.807	ug/l	94
21) trans-1,2-Dichloroethene	5.116	96	45198	19.194	ug/l	96
22) Diisopropyl ether	6.012	45	144188	20.157	ug/l	96
23) Vinyl Acetate	5.958	43	392861	93.881	ug/l	100
24) 1,1-Dichloroethane	5.915	63	84200	19.685	ug/l	98
25) 2-Butanone	6.896	43	62877	97.365	ug/l	97
26) 2,2-Dichloropropane	6.884	77	73885	19.419	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	51515	19.453	ug/l	98
28) Bromochloromethane	7.244	49	36543	20.258	ug/l	100
29) Tetrahydrofuran	7.262	42	39023	93.891	ug/l	100
30) Chloroform	7.421	83	89363	20.087	ug/l	97
31) Cyclohexane	7.701	56	71494	18.336	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	77712	19.327	ug/l	98
36) 1,1-Dichloropropene	7.835	75	61924	19.644	ug/l	99
37) Ethyl Acetate	6.982	43	27986	18.811	ug/l	99
38) Carbon Tetrachloride	7.817	117	70131	19.424	ug/l	98
39) Methylcyclohexane	9.109	83	69119	18.355	ug/l	94
40) Benzene	8.079	78	188326	19.949	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16120	20.403	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	53252	20.009	ug/l	100
43) Isopropyl Acetate	8.195	43	52467	18.610	ug/l	99
44) Trichloroethene	8.866	130	48796	20.287	ug/l	91
45) 1,2-Dichloropropane	9.140	63	45773	20.484	ug/l	98
46) Dibromomethane	9.231	93	25737	19.984	ug/l	98
47) Bromodichloromethane	9.426	83	67879	20.341	ug/l	98
48) Methyl methacrylate	9.219	41	23605	18.243	ug/l	99
49) 1,4-Dioxane	9.231	88	5432	393.732	ug/l	90
51) 4-Methyl-2-Pentanone	9.999	43	137528	93.737	ug/l	99
52) Toluene	10.170	92	118375	20.098	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	57716	19.472	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	68474	19.582	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	34324	20.711	ug/l	98
56) Ethyl methacrylate	10.438	69	39663	18.743	ug/l	97
57) 1,3-Dichloropropane	10.719	76	57438	20.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	101625	98.440	ug/l	99
59) 2-Hexanone	10.762	43	94217	96.424	ug/l	98
60) Dibromochloromethane	10.908	129	46718	20.646	ug/l	98
61) 1,2-Dibromoethane	11.018	107	30677	19.732	ug/l	100
64) Tetrachloroethene	10.646	164	55603	21.219	ug/l	93
65) Chlorobenzene	11.444	112	128647	19.506	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	46105	19.703	ug/l	98
67) Ethyl Benzene	11.518	91	213523	18.880	ug/l	97
68) m/p-Xylenes	11.627	106	169102	39.047	ug/l	99
69) o-Xylene	11.956	106	78032	19.520	ug/l	98
70) Styrene	11.969	104	128614	19.296	ug/l	99
71) Bromoform	12.133	173	26508	19.859	ug/l #	99
73) Isopropylbenzene	12.255	105	201307	18.293	ug/l	100
74) N-amyl acetate	12.072	43	44311	17.157	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	35269	17.826	ug/l	98
76) 1,2,3-Trichloropropane	12.560	75	26863m	18.290	ug/l	
77) Bromobenzene	12.536	156	49001	18.545	ug/l	98
78) n-propylbenzene	12.597	91	252726	19.102	ug/l	100
79) 2-Chlorotoluene	12.682	91	146564	19.073	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	170917	19.003	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	11113	17.435	ug/l	94
82) 4-Chlorotoluene	12.779	91	153312	19.137	ug/l	100
83) tert-Butylbenzene	12.999	119	148078	18.484	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	170432	19.172	ug/l	99
85) sec-Butylbenzene	13.176	105	221275	18.900	ug/l	100
86) p-Isopropyltoluene	13.292	119	183556	18.970	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	98633	18.947	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	99316	19.310	ug/l	98
89) n-Butylbenzene	13.621	91	166238	18.577	ug/l	98
90) Hexachloroethane	13.883	117	40212	18.964	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	87160	19.234	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	5565	18.147	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	43337	17.635	ug/l	99
94) Hexachlorobutadiene	15.023	225	28623	18.650	ug/l	98
95) Naphthalene	15.145	128	65442	16.066	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	36228	17.288	ug/l	99

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

