

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031725\
 Data File : VY021545.D
 Acq On : 17 Mar 2025 12:49
 Operator : SY/MD
 Sample : VY0317SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0317SBS01

Quant Time: Mar 18 01:26:12 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/18/2025
 Supervised By :Semsettin Yesilyurt 03/18/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	209203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	320346	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	284395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	146283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114896	51.962	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.920%			
35) Dibromofluoromethane	7.634	113	108339	51.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.900%			
50) Toluene-d8	10.109	98	399912	50.160	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.320%			
62) 4-Bromofluorobenzene	12.408	95	137449	50.682	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	37082	19.316	ug/l	98
3) Chloromethane	2.068	50	53477	19.758	ug/l	100
4) Vinyl Chloride	2.202	62	62796	21.231	ug/l	98
5) Bromomethane	2.586	94	43503	20.350	ug/l	97
6) Chloroethane	2.733	64	45193	23.121	ug/l	98
7) Trichlorofluoromethane	3.056	101	100773	24.409	ug/l	98
8) Diethyl Ether	3.452	74	27395	23.944	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	50420	21.391	ug/l	99
10) Methyl Iodide	4.001	142	49997	20.867	ug/l	100
11) Tert butyl alcohol	4.848	59	22139	144.485	ug/l #	72
12) 1,1-Dichloroethene	3.787	96	44961	20.922	ug/l	94
13) Acrolein	3.653	56	15875	141.152	ug/l	93
14) Allyl chloride	4.379	41	71393	20.558	ug/l	99
15) Acrylonitrile	5.055	53	56534	116.078	ug/l	96
16) Acetone	3.866	43	80850	167.644	ug/l	92
17) Carbon Disulfide	4.104	76	126355	18.762	ug/l	98
18) Methyl Acetate	4.385	43	24489	22.885	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	117760	21.620	ug/l	96
20) Methylene Chloride	4.616	84	53421	21.102	ug/l	99
21) trans-1,2-Dichloroethene	5.110	96	47977	19.935	ug/l	97
22) Diisopropyl ether	6.019	45	158451	21.171	ug/l	97
23) Vinyl Acetate	5.958	43	459261	107.522	ug/l	100
24) 1,1-Dichloroethane	5.915	63	91270	20.662	ug/l	97
25) 2-Butanone	6.890	43	92278	138.321	ug/l	100
26) 2,2-Dichloropropane	6.884	77	84157	20.706	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	56414	20.634	ug/l	99
28) Bromochloromethane	7.244	49	38379	20.724	ug/l	99
29) Tetrahydrofuran	7.256	42	47999	116.545	ug/l	99
30) Chloroform	7.421	83	97771	21.316	ug/l	96
31) Cyclohexane	7.701	56	78880	19.048	ug/l	94
32) 1,1,1-Trichloroethane	7.616	97	87249	20.774	ug/l	99
36) 1,1-Dichloropropene	7.835	75	67987	20.627	ug/l	99
37) Ethyl Acetate	6.982	43	33708	23.138	ug/l	98
38) Carbon Tetrachloride	7.817	117	78935	20.823	ug/l	98
39) Methylcyclohexane	9.109	83	78157	19.331	ug/l	97
40) Benzene	8.079	78	203296	20.938	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16991	21.420	ug/l #	92
42) 1,2-Dichloroethane	8.158	62	59580	21.935	ug/l	100
43) Isopropyl Acetate	8.195	43	62162	21.981	ug/l	98
44) Trichloroethene	8.866	130	51285	20.902	ug/l	99
45) 1,2-Dichloropropane	9.140	63	48890	21.157	ug/l	94
46) Dibromomethane	9.231	93	28568	22.218	ug/l	97
47) Bromodichloromethane	9.420	83	72821	21.326	ug/l	98
48) Methyl methacrylate	9.219	41	27932	21.509	ug/l	95
49) 1,4-Dioxane	9.231	88	6499	514.962	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	170370	116.758	ug/l	98
52) Toluene	10.170	92	126742	20.705	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	64374	21.398	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	76790	21.500	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	37559	22.331	ug/l	97
56) Ethyl methacrylate	10.438	69	46681	21.762	ug/l	99
57) 1,3-Dichloropropane	10.719	76	63718	21.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	115671	116.815	ug/l	99
59) 2-Hexanone	10.762	43	128877	133.573	ug/l	98
60) Dibromochloromethane	10.914	129	50969	22.105	ug/l	97
61) 1,2-Dibromoethane	11.018	107	34040	21.444	ug/l	98
64) Tetrachloroethene	10.646	164	56528	24.444	ug/l	95
65) Chlorobenzene	11.444	112	138094	20.562	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	49463	20.832	ug/l	98
67) Ethyl Benzene	11.518	91	236170	20.035	ug/l	100
68) m/p-Xylenes	11.627	106	182629	40.809	ug/l	100
69) o-Xylene	11.957	106	82830	20.082	ug/l	96
70) Styrene	11.969	104	140028	20.465	ug/l	99
71) Bromoform	12.133	173	29832	22.476	ug/l #	99
73) Isopropylbenzene	12.255	105	229585	19.924	ug/l	99
74) N-amyl acetate	12.072	43	52463	20.964	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	42965	21.129	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	27346m	18.551	ug/l	
77) Bromobenzene	12.536	156	54044	20.047	ug/l	100
78) n-propylbenzene	12.597	91	278424	19.895	ug/l	100
79) 2-Chlorotoluene	12.682	91	158371	19.791	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	189235	20.208	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.304	75	13093	20.192	ug/l	98
82) 4-Chlorotoluene	12.780	91	166075	20.042	ug/l	100
83) tert-Butylbenzene	12.999	119	165804	19.848	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	187285	20.143	ug/l	99
85) sec-Butylbenzene	13.176	105	249213	20.050	ug/l	99
86) p-Isopropyltoluene	13.292	119	207009	20.216	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	107290	19.994	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	107122	20.412	ug/l	99
89) n-Butylbenzene	13.621	91	188538	19.939	ug/l	100
90) Hexachloroethane	13.883	117	43899	20.096	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	96554	20.993	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6381	20.949	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	50586	20.137	ug/l	97
94) Hexachlorobutadiene	15.029	225	33597	21.335	ug/l	98
95) Naphthalene	15.145	128	80499	20.966	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	43848	20.753	ug/l	99

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

