

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040125\
 Data File : VY021733.D
 Acq On : 01 Apr 2025 11:30
 Operator : SY/MD
 Sample : VY0401SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0401SBS01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 04/02/2025
 Supervised By :Mahesh Dadoda 04/02/2025

Quant Time: Apr 02 03:22:04 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	262284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	407591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	358349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	179014	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148566	52.279	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.560%			
35) Dibromofluoromethane	7.634	113	143137	54.137	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.280%			
50) Toluene-d8	10.103	98	552526	54.931	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.860%			
62) 4-Bromofluorobenzene	12.408	95	184811	54.320	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	52708	19.389	ug/l	98
3) Chloromethane	2.068	50	69229	18.110	ug/l	98
4) Vinyl Chloride	2.202	62	79314	18.347	ug/l	100
5) Bromomethane	2.586	94	58063	19.693	ug/l	99
6) Chloroethane	2.732	64	52067	18.406	ug/l	99
7) Trichlorofluoromethane	3.056	101	108844	19.655	ug/l	99
8) Diethyl Ether	3.452	74	29391	19.516	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.811	101	58802	20.132	ug/l	99
10) Methyl Iodide	4.000	142	57434	17.924	ug/l	99
11) Tert butyl alcohol	4.854	59	16186	87.691	ug/l	99
12) 1,1-Dichloroethene	3.787	96	54196	19.700	ug/l	91
13) Acrolein	3.647	56	25175	74.696	ug/l	100
14) Allyl chloride	4.378	41	82560	18.822	ug/l	98
15) Acrylonitrile	5.055	53	58322	92.750	ug/l	99
16) Acetone	3.866	43	54827	94.269	ug/l	93
17) Carbon Disulfide	4.104	76	168907	18.640	ug/l	97
18) Methyl Acetate	4.385	43	26825	18.610	ug/l	96
19) Methyl tert-butyl Ether	5.116	73	130257	19.017	ug/l	98
20) Methylene Chloride	4.610	84	61724	19.315	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	60292	19.905	ug/l	98
22) Diisopropyl ether	6.018	45	178430	19.391	ug/l	98
23) Vinyl Acetate	5.957	43	500924	93.058	ug/l	97
24) 1,1-Dichloroethane	5.915	63	107840	19.600	ug/l	99
25) 2-Butanone	6.890	43	77870	93.740	ug/l	100
26) 2,2-Dichloropropane	6.884	77	94979	19.406	ug/l	98
27) cis-1,2-Dichloroethene	6.884	96	66817	19.615	ug/l	98
28) Bromochloromethane	7.244	49	44742	19.282	ug/l	99
29) Tetrahydrofuran	7.256	42	47928	89.647	ug/l	96
30) Chloroform	7.415	83	111174	19.427	ug/l	92
31) Cyclohexane	7.695	56	94288	18.799	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	102527	19.822	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79309	19.693	ug/l	98
37) Ethyl Acetate	6.982	43	36034	18.959	ug/l	99
38) Carbon Tetrachloride	7.811	117	93478	20.266	ug/l	96
39) Methylcyclohexane	9.109	83	94387	19.619	ug/l	97
40) Benzene	8.079	78	240138	19.911	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	18293m	18.123	ug/l	
42) 1,2-Dichloroethane	8.158	62	66624	19.595	ug/l	100
43) Isopropyl Acetate	8.195	43	69114	19.189	ug/l #	86
44) Trichloroethene	8.865	130	63043	20.516	ug/l	95
45) 1,2-Dichloropropane	9.140	63	57479	20.134	ug/l	99
46) Dibromomethane	9.225	93	32300	19.632	ug/l	97
47) Bromodichloromethane	9.420	83	84013	19.707	ug/l	99
48) Methyl methacrylate	9.219	41	30905	18.696	ug/l	100
49) 1,4-Dioxane	9.231	88	7023	398.466	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	177237	94.559	ug/l	99
52) Toluene	10.170	92	150299	19.974	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	73353	19.371	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	87090	19.495	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	42257	19.958	ug/l	98
56) Ethyl methacrylate	10.438	69	50856	18.811	ug/l	98
57) 1,3-Dichloropropane	10.719	76	71498	19.553	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	130109	98.652	ug/l	100
59) 2-Hexanone	10.761	43	118439	94.881	ug/l	100
60) Dibromochloromethane	10.914	129	57761	19.981	ug/l	99
61) 1,2-Dibromoethane	11.011	107	39631	19.954	ug/l	98
64) Tetrachloroethene	10.646	164	67787	20.770	ug/l	96
65) Chlorobenzene	11.444	112	163162	19.863	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.517	131	57780	19.825	ug/l	99
67) Ethyl Benzene	11.517	91	279312	19.829	ug/l	100
68) m/p-Xylenes	11.627	106	213197	39.525	ug/l	99
69) o-Xylene	11.956	106	99393	19.962	ug/l	99
70) Styrene	11.969	104	164968	19.872	ug/l	99
71) Bromoform	12.133	173	34082	20.501	ug/l #	99
73) Isopropylbenzene	12.255	105	263449	19.814	ug/l	100
74) N-amyl acetate	12.072	43	56258	18.029	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	44993	18.822	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	35449m	19.977	ug/l	
77) Bromobenzene	12.529	156	63312	19.832	ug/l	99
78) n-propylbenzene	12.597	91	318964	19.954	ug/l	98
79) 2-Chlorotoluene	12.682	91	185554	19.986	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	217918	20.054	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	14203	18.443	ug/l	97
82) 4-Chlorotoluene	12.779	91	193577	19.999	ug/l	99
83) tert-Butylbenzene	12.999	119	192081	19.845	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	216682	20.175	ug/l	99
85) sec-Butylbenzene	13.176	105	282492	19.971	ug/l	100
86) p-Isopropyltoluene	13.291	119	232750	19.909	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	124312	19.765	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	122507	19.714	ug/l	98
89) n-Butylbenzene	13.615	91	210873	19.504	ug/l	100
90) Hexachloroethane	13.877	117	49366	19.269	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	107999	19.725	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7455	20.121	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	57035	19.209	ug/l	99
94) Hexachlorobutadiene	15.023	225	37553	20.252	ug/l	97
95) Naphthalene	15.145	128	90494	18.388	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	48126	19.008	ug/l	99

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

