

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062025\
 Data File : VY022762.D
 Acq On : 20 Jun 2025 13:11
 Operator : SY/MD
 Sample : VY0620SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0620SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/23/2025
 Supervised By :Semsettin Yesilyurt 06/23/2025

Quant Time: Jun 21 02:39:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	121362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	214732	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	182327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	83763	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	75159	55.371	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.740%			
35) Dibromofluoromethane	7.634	113	70088	54.684	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.360%			
50) Toluene-d8	10.109	98	275614	53.219	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.440%			
62) 4-Bromofluorobenzene	12.408	95	78548	50.905	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	23815	21.918	ug/l	94
3) Chloromethane	2.068	50	73502	22.898	ug/l	97
4) Vinyl Chloride	2.202	62	84294	22.637	ug/l	97
5) Bromomethane	2.592	94	90410	25.331	ug/l	98
6) Chloroethane	2.733	64	61393	24.020	ug/l	92
7) Trichlorofluoromethane	3.056	101	71551	22.634	ug/l	100
8) Diethyl Ether	3.452	74	15072	21.171	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	30759	23.102	ug/l	99
10) Methyl Iodide	4.007	142	30685	21.296	ug/l	97
11) Tert butyl alcohol	4.872	59	9676	99.806	ug/l	98
12) 1,1-Dichloroethene	3.793	96	28146	22.116	ug/l	99
13) Acrolein	3.653	56	6733	55.727	ug/l	97
14) Allyl chloride	4.379	41	42925	21.485	ug/l	98
15) Acrylonitrile	5.061	53	33838	112.228	ug/l	98
16) Acetone	3.873	43	36181	131.252	ug/l	93
17) Carbon Disulfide	4.104	76	86818	21.307	ug/l	98
18) Methyl Acetate	4.391	43	18573	22.752	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	77093	21.507	ug/l	98
20) Methylene Chloride	4.616	84	39717	25.364	ug/l	96
21) trans-1,2-Dichloroethene	5.116	96	32855	23.066	ug/l	94
22) Diisopropyl ether	6.025	45	100381	22.572	ug/l	92
23) Vinyl Acetate	5.964	43	276210	104.935	ug/l	100
24) 1,1-Dichloroethane	5.915	63	62750	23.951	ug/l	98
25) 2-Butanone	6.896	43	46008	115.707	ug/l	92
26) 2,2-Dichloropropane	6.884	77	53538	23.128	ug/l	98
27) cis-1,2-Dichloroethene	6.896	96	38378	23.311	ug/l	100
28) Bromochloromethane	7.250	49	26775	23.445	ug/l	97
29) Tetrahydrofuran	7.262	42	25497	99.420	ug/l	98
30) Chloroform	7.427	83	64154	24.722	ug/l	92
31) Cyclohexane	7.701	56	52488	20.124	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	55292	24.002	ug/l	98
36) 1,1-Dichloropropene	7.835	75	44270	21.282	ug/l	99
37) Ethyl Acetate	6.988	43	18842m	20.311	ug/l	
38) Carbon Tetrachloride	7.823	117	45188	21.176	ug/l	97
39) Methylcyclohexane	9.109	83	52543	18.796	ug/l	96
40) Benzene	8.085	78	141325	23.002	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	9902	18.274	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	38188	22.764	ug/l	100
43) Isopropyl Acetate	8.195	43	39270	19.601	ug/l	98
44) Trichloroethene	8.866	130	33950	22.609	ug/l	93
45) 1,2-Dichloropropane	9.146	63	33245	22.895	ug/l	96
46) Dibromomethane	9.231	93	17997	22.031	ug/l	98
47) Bromodichloromethane	9.426	83	48115	23.229	ug/l	97
48) Methyl methacrylate	9.225	41	18753	19.944	ug/l	99
49) 1,4-Dioxane	9.244	88	3619	373.948	ug/l	90
51) 4-Methyl-2-Pentanone	10.000	43	97947	98.057	ug/l	99
52) Toluene	10.170	92	85504	22.145	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	40004	20.612	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	49566	21.940	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	23214	22.286	ug/l	93
56) Ethyl methacrylate	10.445	69	27697	18.397	ug/l	98
57) 1,3-Dichloropropane	10.719	76	40899	22.153	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	72909	106.664	ug/l	100
59) 2-Hexanone	10.762	43	67554	101.122	ug/l	100
60) Dibromochloromethane	10.914	129	28481	21.515	ug/l	98
61) 1,2-Dibromoethane	11.012	107	20416	21.504	ug/l	98
64) Tetrachloroethene	10.646	164	37378	23.832	ug/l	98
65) Chlorobenzene	11.444	112	88859	22.024	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	29530	21.726	ug/l	97
67) Ethyl Benzene	11.518	91	157546	21.053	ug/l	98
68) m/p-Xylenes	11.627	106	118227	41.675	ug/l	100
69) o-Xylene	11.956	106	55278	20.783	ug/l	99
70) Styrene	11.969	104	91693	20.856	ug/l	98
71) Bromoform	12.133	173	14354	19.846	ug/l #	99
73) Isopropylbenzene	12.255	105	145384	21.141	ug/l	100
74) N-amyl acetate	12.072	43	31417	18.106	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.505	83	22850	20.245	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	18475m	19.279	ug/l	
77) Bromobenzene	12.530	156	31097	21.428	ug/l	97
78) n-propylbenzene	12.591	91	177896	21.180	ug/l	100
79) 2-Chlorotoluene	12.676	91	95045	21.350	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	114015	21.118	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	7529	18.974	ug/l	95
82) 4-Chlorotoluene	12.773	91	97033	21.129	ug/l	97
83) tert-Butylbenzene	12.999	119	101082	20.860	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	112812	20.891	ug/l	99
85) sec-Butylbenzene	13.176	105	151982	20.479	ug/l	98
86) p-Isopropyltoluene	13.292	119	123121	20.127	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	64155	21.819	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	62291	21.843	ug/l	99
89) n-Butylbenzene	13.615	91	121842	20.993	ug/l	98
90) Hexachloroethane	13.877	117	25630	21.521	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	53851	21.572	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	3736	22.735	ug/l	93
93) 1,2,4-Trichlorobenzene	14.919	180	29102	21.375	ug/l	97
94) Hexachlorobutadiene	15.023	225	16541	22.012	ug/l	95
95) Naphthalene	15.145	128	52664	20.156	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	25030	21.451	ug/l	99

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

