

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022540.D
 Acq On : 04 Jun 2025 10:54
 Operator : SY/MD
 Sample : VY0604SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0604SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 04:10:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	177182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	307142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	260223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	119650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106897	53.943	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.880%			
35) Dibromofluoromethane	7.634	113	97744	53.317	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.640%			
50) Toluene-d8	10.103	98	395544	53.397	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.800%			
62) 4-Bromofluorobenzene	12.402	95	114746	51.990	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.980%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	35026	22.080	ug/l	90
3) Chloromethane	2.068	50	88146	18.809	ug/l	100
4) Vinyl Chloride	2.202	62	119787	22.034	ug/l	96
5) Bromomethane	2.592	94	110721	21.249	ug/l	98
6) Chloroethane	2.733	64	84104	22.539	ug/l	92
7) Trichlorofluoromethane	3.044	101	108660	23.544	ug/l	94
8) Diethyl Ether	3.452	74	22203	21.362	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.806	101	39953	20.554	ug/l	100
10) Methyl Iodide	4.001	142	37260	17.713	ug/l	98
11) Tert butyl alcohol	4.860	59	14189	100.248	ug/l #	91
12) 1,1-Dichloroethene	3.787	96	39181	21.087	ug/l	98
13) Acrolein	3.653	56	18621	105.565	ug/l	99
14) Allyl chloride	4.379	41	59207	20.298	ug/l	100
15) Acrylonitrile	5.055	53	44556	101.220	ug/l	98
16) Acetone	3.867	43	35077	87.158	ug/l	94
17) Carbon Disulfide	4.104	76	121952	20.501	ug/l	99
18) Methyl Acetate	4.379	43	23786	19.959	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	105462	20.152	ug/l	100
20) Methylene Chloride	4.610	84	43768	19.146	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	42985	20.671	ug/l	95
22) Diisopropyl ether	6.019	45	135749	20.908	ug/l	98
23) Vinyl Acetate	5.958	43	382202	99.458	ug/l	99
24) 1,1-Dichloroethane	5.915	63	80929	21.158	ug/l	99
25) 2-Butanone	6.896	43	54351	93.626	ug/l	100
26) 2,2-Dichloropropane	6.884	77	68446	20.253	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	50930	21.189	ug/l	100
28) Bromochloromethane	7.244	49	34936	20.953	ug/l	99
29) Tetrahydrofuran	7.262	42	36518	97.534	ug/l	98
30) Chloroform	7.415	83	79864	21.080	ug/l	95
31) Cyclohexane	7.701	56	74481	19.559	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	71144	21.154	ug/l	99
36) 1,1-Dichloropropene	7.835	75	60956	20.487	ug/l	99
37) Ethyl Acetate	6.982	43	26561	20.018	ug/l	100
38) Carbon Tetrachloride	7.817	117	61082	20.012	ug/l	95
39) Methylcyclohexane	9.110	83	79839	19.967	ug/l	96
40) Benzene	8.079	78	182569	20.775	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	18097m	23.350	ug/l	
42) 1,2-Dichloroethane	8.152	62	48113	20.051	ug/l	99
43) Isopropyl Acetate	8.195	43	54608	19.056	ug/l	99
44) Trichloroethene	8.866	130	43493	20.250	ug/l	100
45) 1,2-Dichloropropane	9.140	63	43797	21.087	ug/l	99
46) Dibromomethane	9.231	93	23454	20.073	ug/l	98
47) Bromodichloromethane	9.420	83	61994	20.924	ug/l	97
48) Methyl methacrylate	9.219	41	25682	19.095	ug/l	99
49) 1,4-Dioxane	9.231	88	5502	397.467	ug/l #	94
51) 4-Methyl-2-Pentanone	10.000	43	133612	93.517	ug/l	98
52) Toluene	10.170	92	111969	20.274	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	54358	19.581	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	65573	20.292	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	28750	19.296	ug/l	91
56) Ethyl methacrylate	10.439	69	41087	19.080	ug/l	99
57) 1,3-Dichloropropane	10.719	76	52232	19.779	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.707	63	96419	98.618	ug/l	100
59) 2-Hexanone	10.762	43	87540	91.614	ug/l	100
60) Dibromochloromethane	10.908	129	37312	19.706	ug/l	98
61) 1,2-Dibromoethane	11.018	107	27846	20.505	ug/l	96
64) Tetrachloroethene	10.646	164	46715	20.869	ug/l	97
65) Chlorobenzene	11.438	112	117493	20.404	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	38244	19.715	ug/l	98
67) Ethyl Benzene	11.518	91	210828	19.739	ug/l	100
68) m/p-Xylenes	11.627	106	157542	38.910	ug/l	99
69) o-Xylene	11.950	106	75325	19.843	ug/l	99
70) Styrene	11.969	104	122002	19.443	ug/l	99
71) Bromoform	12.133	173	19189	18.589	ug/l #	96
73) Isopropylbenzene	12.255	105	194422	19.792	ug/l	100
74) N-amyl acetate	12.066	43	46408	18.723	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	30021	18.621	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	27817m	20.322	ug/l	
77) Bromobenzene	12.530	156	41454	19.998	ug/l	98
78) n-propylbenzene	12.591	91	237604	19.804	ug/l	98
79) 2-Chlorotoluene	12.676	91	128467	20.202	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	154233	19.999	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	10650	18.789	ug/l	98
82) 4-Chlorotoluene	12.773	91	129597	19.756	ug/l	98
83) tert-Butylbenzene	12.999	119	138927	20.071	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	154558	20.038	ug/l	100
85) sec-Butylbenzene	13.176	105	210444	19.851	ug/l	99
86) p-Isopropyltoluene	13.292	119	169354	19.381	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	83524	19.887	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	81311	19.960	ug/l	99
89) n-Butylbenzene	13.615	91	167479	20.202	ug/l	99
90) Hexachloroethane	13.877	117	33527	19.708	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	71253	19.982	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4574	19.486	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	41052	21.108	ug/l	97
94) Hexachlorobutadiene	15.023	225	23044	21.468	ug/l	97
95) Naphthalene	15.145	128	73656	19.736	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	34247	20.547	ug/l	99

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

