

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060625\
 Data File : VY022589.D
 Acq On : 06 Jun 2025 10:36
 Operator : SY/MD
 Sample : VY0606SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0606SBS01

Quant Time: Jun 06 23:39:47 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/09/2025
 Supervised By :Semsettin Yesilyurt 06/09/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	164487	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	282471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	239523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	112396	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	99683	54.185	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.360%			
35) Dibromofluoromethane	7.634	113	90954	53.946	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.900%			
50) Toluene-d8	10.103	98	371354	54.510	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 109.020%			
62) 4-Bromofluorobenzene	12.402	95	106868	52.650	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.300%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.861	85	32723	22.221	ug/l	97
3) Chloromethane	2.062	50	95664	21.989	ug/l	100
4) Vinyl Chloride	2.196	62	140218	27.782	ug/l	98
5) Bromomethane	2.580	94	119866	24.779	ug/l	98
6) Chloroethane	2.720	64	97320	28.093	ug/l	94
7) Trichlorofluoromethane	3.043	101	140944	32.896	ug/l	97
8) Diethyl Ether	3.446	74	21314	22.089	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.806	101	39893	22.107	ug/l	98
10) Methyl Iodide	4.001	142	34228	17.527	ug/l	100
11) Tert butyl alcohol	4.854	59	13923	105.961	ug/l	97
12) 1,1-Dichloroethene	3.781	96	38320	22.216	ug/l	96
13) Acrolein	3.647	56	14416	88.034	ug/l	98
14) Allyl chloride	4.373	41	57218	21.130	ug/l	100
15) Acrylonitrile	5.049	53	43522	106.502	ug/l	99
16) Acetone	3.867	43	35536	95.114	ug/l #	88
17) Carbon Disulfide	4.098	76	116015	21.008	ug/l	99
18) Methyl Acetate	4.379	43	22882	20.682	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	100097	20.603	ug/l	94
20) Methylene Chloride	4.604	84	47705	22.478	ug/l	92
21) trans-1,2-Dichloroethene	5.104	96	42202	21.860	ug/l	97
22) Diisopropyl ether	6.012	45	128232	21.275	ug/l	97
23) Vinyl Acetate	5.952	43	369740	103.641	ug/l	99
24) 1,1-Dichloroethane	5.909	63	78825	22.199	ug/l	99
25) 2-Butanone	6.896	43	53195	98.707	ug/l	98
26) 2,2-Dichloropropane	6.878	77	66024	21.044	ug/l	100
27) cis-1,2-Dichloroethene	6.884	96	49404	22.141	ug/l	99
28) Bromochloromethane	7.238	49	32676	21.110	ug/l	99
29) Tetrahydrofuran	7.262	42	35769	102.907	ug/l	100
30) Chloroform	7.415	83	77473	22.027	ug/l	98
31) Cyclohexane	7.695	56	72633	20.546	ug/l	97
32) 1,1,1-Trichloroethane	7.610	97	68943	22.082	ug/l	99
36) 1,1-Dichloropropene	7.829	75	58651	21.434	ug/l	99
37) Ethyl Acetate	6.982	43	25943	21.259	ug/l	98
38) Carbon Tetrachloride	7.817	117	60070	21.399	ug/l	90
39) Methylcyclohexane	9.103	83	77267	21.012	ug/l	99
40) Benzene	8.073	78	175178	21.675	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	15586m	21.866	ug/l	
42) 1,2-Dichloroethane	8.152	62	48138	21.814	ug/l	100
43) Isopropyl Acetate	8.195	43	52352	19.864	ug/l	98
44) Trichloroethene	8.866	130	43400	21.971	ug/l	91
45) 1,2-Dichloropropane	9.140	63	41851	21.910	ug/l	98
46) Dibromomethane	9.225	93	22497	20.935	ug/l	100
47) Bromodichloromethane	9.420	83	58627	21.516	ug/l	99
48) Methyl methacrylate	9.219	41	24759m	20.017	ug/l	
49) 1,4-Dioxane	9.225	88	5377	422.363	ug/l #	93
51) 4-Methyl-2-Pentanone	9.993	43	131440	100.032	ug/l	97
52) Toluene	10.164	92	105853	20.841	ug/l	96
53) t-1,3-Dichloropropene	10.390	75	51249	20.074	ug/l	93
54) cis-1,3-Dichloropropene	9.853	75	62698	21.097	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	29015	21.175	ug/l	96
56) Ethyl methacrylate	10.439	69	38205	19.291	ug/l	96
57) 1,3-Dichloropropane	10.713	76	51177	21.072	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	95094	105.758	ug/l	99
59) 2-Hexanone	10.756	43	83881	95.451	ug/l	99
60) Dibromochloromethane	10.908	129	36641	21.042	ug/l	96
61) 1,2-Dibromoethane	11.012	107	26793	21.453	ug/l	93
64) Tetrachloroethene	10.640	164	48215	23.401	ug/l	93
65) Chlorobenzene	11.438	112	112402	21.207	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.512	131	37418	20.956	ug/l	99
67) Ethyl Benzene	11.518	91	202447	20.593	ug/l	97
68) m/p-Xylenes	11.627	106	152902	41.027	ug/l	100
69) o-Xylene	11.950	106	72002	20.606	ug/l	99
70) Styrene	11.969	104	117445	20.334	ug/l	99
71) Bromoform	12.127	173	19327	20.341	ug/l #	99
73) Isopropylbenzene	12.249	105	189003	20.482	ug/l	99
74) N-amyl acetate	12.066	43	43828	18.824	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	29688	19.603	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	25865m	20.115	ug/l	
77) Bromobenzene	12.530	156	39349	20.207	ug/l	98
78) n-propylbenzene	12.591	91	232411	20.621	ug/l	99
79) 2-Chlorotoluene	12.676	91	122577	20.520	ug/l	98
80) 1,3,5-Trimethylbenzene	12.731	105	147301	20.333	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	10079	18.929	ug/l	97
82) 4-Chlorotoluene	12.773	91	124318	20.174	ug/l	98
83) tert-Butylbenzene	12.993	119	134574	20.697	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	144727	19.974	ug/l	99
85) sec-Butylbenzene	13.170	105	202764	20.361	ug/l	99
86) p-Isopropyltoluene	13.286	119	164993	20.101	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	81437	20.641	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	77821	20.337	ug/l	99
89) n-Butylbenzene	13.615	91	161013	20.675	ug/l	99
90) Hexachloroethane	13.877	117	32009	20.030	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	68342	20.402	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	4593	20.830	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	37368	20.454	ug/l	99
94) Hexachlorobutadiene	15.017	225	21159	20.984	ug/l	97
95) Naphthalene	15.139	128	69649	19.866	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	32964	21.054	ug/l	98

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

