

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061325\
 Data File : VY022684.D
 Acq On : 13 Jun 2025 09:42
 Operator : SY/MD
 Sample : VY0613SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0613SBS01

Quant Time: Jun 14 02:00:23 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/16/2025
 Supervised By :Semsettin Yesilyurt 06/16/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	150797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	258034	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	218244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	102780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	83382	49.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.880%		
35) Dibromofluoromethane	7.634	113	77902	50.581	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.160%		
50) Toluene-d8	10.103	98	312009	50.136	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.280%		
62) 4-Bromofluorobenzene	12.402	95	89227	48.122	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	96.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	29485	21.839	ug/l	99
3) Chloromethane	2.068	50	81220	20.364	ug/l	100
4) Vinyl Chloride	2.202	62	115562	24.976	ug/l	94
5) Bromomethane	2.586	94	105610	23.814	ug/l	99
6) Chloroethane	2.733	64	82057	25.838	ug/l	95
7) Trichlorofluoromethane	3.050	101	103187	26.270	ug/l	97
8) Diethyl Ether	3.452	74	18929	21.399	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.812	101	36138	21.844	ug/l	99
10) Methyl Iodide	3.995	142	32852	18.350	ug/l	99
11) Tert butyl alcohol	4.866	59	12381	102.780	ug/l #	73
12) 1,1-Dichloroethene	3.781	96	36012	22.773	ug/l	96
13) Acrolein	3.653	56	11004	73.299	ug/l	97
14) Allyl chloride	4.373	41	49863	20.086	ug/l	96
15) Acrylonitrile	5.049	53	39062	104.266	ug/l	99
16) Acetone	3.873	43	51527	150.435	ug/l	99
17) Carbon Disulfide	4.104	76	103208	20.386	ug/l	100
18) Methyl Acetate	4.385	43	20248	19.963	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	93595	21.013	ug/l	96
20) Methylene Chloride	4.610	84	42946	22.073	ug/l	97
21) trans-1,2-Dichloroethene	5.104	96	38708	21.871	ug/l	83
22) Diisopropyl ether	6.013	45	114983	20.808	ug/l	96
23) Vinyl Acetate	5.958	43	332718	101.730	ug/l	98
24) 1,1-Dichloroethane	5.909	63	72845	22.377	ug/l	98
25) 2-Butanone	6.890	43	61166	123.801	ug/l	97
26) 2,2-Dichloropropane	6.878	77	63588	22.108	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	45228	22.109	ug/l	98
28) Bromochloromethane	7.244	49	30550	21.529	ug/l	99
29) Tetrahydrofuran	7.256	42	32490	101.959	ug/l	99
30) Chloroform	7.421	83	73364	22.753	ug/l	92
31) Cyclohexane	7.701	56	64509	19.905	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	64696	22.603	ug/l	98
36) 1,1-Dichloropropene	7.835	75	53611	21.447	ug/l	99
37) Ethyl Acetate	6.982	43	23024	20.654	ug/l	98
38) Carbon Tetrachloride	7.817	117	55727	21.732	ug/l	96
39) Methylcyclohexane	9.110	83	68247	20.317	ug/l	96
40) Benzene	8.073	78	160031	21.676	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	14573m	22.381	ug/l	
42) 1,2-Dichloroethane	8.152	62	43473	21.565	ug/l	96
43) Isopropyl Acetate	8.195	43	47081	19.556	ug/l #	85
44) Trichloroethene	8.860	130	39301	21.780	ug/l	98
45) 1,2-Dichloropropane	9.140	63	37307	21.381	ug/l	97
46) Dibromomethane	9.231	93	21103	21.498	ug/l	98
47) Bromodichloromethane	9.420	83	53155	21.355	ug/l	89
48) Methyl methacrylate	9.219	41	21353	18.898	ug/l	93
49) 1,4-Dioxane	9.231	88	4793	412.145	ug/l	97
51) 4-Methyl-2-Pentanone	10.000	43	118529	98.749	ug/l	97
52) Toluene	10.170	92	98964	21.330	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	47213	20.244	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	57640	21.232	ug/l	97
55) 1,1,2-Trichloroethane	10.567	97	27815	22.222	ug/l	93
56) Ethyl methacrylate	10.439	69	35344	19.537	ug/l	99
57) 1,3-Dichloropropane	10.713	76	47865	21.575	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.707	63	84459	102.826	ug/l	99
59) 2-Hexanone	10.756	43	89368	111.326	ug/l	99
60) Dibromochloromethane	10.908	129	33267	20.914	ug/l	99
61) 1,2-Dibromoethane	11.012	107	25158	22.052	ug/l	93
64) Tetrachloroethene	10.646	164	44177	23.531	ug/l	96
65) Chlorobenzene	11.438	112	102432	21.210	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.512	131	35060	21.550	ug/l	97
67) Ethyl Benzene	11.518	91	185689	20.730	ug/l	99
68) m/p-Xylenes	11.627	106	141156	41.569	ug/l	99
69) o-Xylene	11.951	106	64269	20.187	ug/l	99
70) Styrene	11.969	104	107150	20.360	ug/l	99
71) Bromoform	12.127	173	18022	20.816	ug/l #	98
73) Isopropylbenzene	12.249	105	173690	20.584	ug/l	99
74) N-amyl acetate	12.066	43	40697	19.114	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	27997	20.216	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	19689m	16.745	ug/l	
77) Bromobenzene	12.530	156	36510	20.504	ug/l	98
78) n-propylbenzene	12.591	91	212620	20.630	ug/l	100
79) 2-Chlorotoluene	12.676	91	111553	20.422	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	136965	20.675	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	8938	18.357	ug/l	96
82) 4-Chlorotoluene	12.774	91	113506	20.143	ug/l	99
83) tert-Butylbenzene	12.993	119	126110	21.210	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	132674	20.024	ug/l	98
85) sec-Butylbenzene	13.170	105	188934	20.748	ug/l	100
86) p-Isopropyltoluene	13.286	119	152138	20.269	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	74183	20.562	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	71130	20.327	ug/l	98
89) n-Butylbenzene	13.615	91	147250	20.677	ug/l	99
90) Hexachloroethane	13.877	117	30589	20.933	ug/l	98
91) 1,2-Dichlorobenzene	13.658	146	64296	20.990	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	4073	20.200	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	36006	21.552	ug/l	96
94) Hexachlorobutadiene	15.017	225	20598	22.339	ug/l	96
95) Naphthalene	15.139	128	62165	19.391	ug/l	98
96) 1,2,3-Trichlorobenzene	15.322	180	30848	21.546	ug/l	99

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

