

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022097.D
 Acq On : 01 May 2025 10:42
 Operator : SY/MD
 Sample : VY0501SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0501SBS01

Quant Time: May 01 12:53:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	294485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	452802	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	414235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	225406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	129149	47.479	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.960%		
35) Dibromofluoromethane	7.634	113	148223	49.549	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.100%		
50) Toluene-d8	10.109	98	564747	50.076	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.160%		
62) 4-Bromofluorobenzene	12.408	95	187006	49.257	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	98.520%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	48273	19.238	ug/l	99
3) Chloromethane	2.068	50	66754	18.683	ug/l	99
4) Vinyl Chloride	2.202	62	82174	18.716	ug/l	94
5) Bromomethane	2.592	94	70373	18.604	ug/l	97
6) Chloroethane	2.732	64	56478	18.887	ug/l	99
7) Trichlorofluoromethane	3.056	101	115218	19.900	ug/l	98
8) Diethyl Ether	3.452	74	28039	18.606	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	62306	19.838	ug/l	97
10) Methyl Iodide	4.001	142	67604	18.591	ug/l	100
11) Tert butyl alcohol	4.866	59	12138	81.282	ug/l	98
12) 1,1-Dichloroethene	3.787	96	58265	19.903	ug/l	98
13) Acrolein	3.653	56	17856	66.621	ug/l	97
14) Allyl chloride	4.379	41	63510	18.632	ug/l	97
15) Acrylonitrile	5.055	53	48849	88.546	ug/l	98
16) Acetone	3.866	43	37306	91.214	ug/l	99
17) Carbon Disulfide	4.104	76	182459	19.547	ug/l	98
18) Methyl Acetate	4.379	43	23736	18.681	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	117798	17.978	ug/l	99
20) Methylene Chloride	4.610	84	66341	19.288	ug/l	97
21) trans-1,2-Dichloroethene	5.110	96	64503	19.674	ug/l	95
22) Diisopropyl ether	6.012	45	147267	19.413	ug/l	96
23) Vinyl Acetate	5.958	43	372032	91.000	ug/l	99
24) 1,1-Dichloroethane	5.915	63	104275	19.831	ug/l #	96
25) 2-Butanone	6.896	43	53781	86.739	ug/l	98
26) 2,2-Dichloropropane	6.884	77	93707	20.333	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	72723	19.837	ug/l	99
28) Bromochloromethane	7.244	49	38682	18.940	ug/l	97
29) Tetrahydrofuran	7.256	42	34870	86.590	ug/l	99
30) Chloroform	7.421	83	118101	20.249	ug/l	98
31) Cyclohexane	7.701	56	84609	18.817	ug/l #	92
32) 1,1,1-Trichloroethane	7.616	97	106076	20.103	ug/l	99
36) 1,1-Dichloropropene	7.835	75	79939	19.894	ug/l	100
37) Ethyl Acetate	6.982	43	25337	17.556	ug/l	97
38) Carbon Tetrachloride	7.817	117	99102	20.639	ug/l	98
39) Methylcyclohexane	9.109	83	95859	18.956	ug/l	96
40) Benzene	8.079	78	254338	20.248	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	12694	16.090	ug/l #	84
42) 1,2-Dichloroethane	8.158	62	61949	19.920	ug/l	99
43) Isopropyl Acetate	8.195	43	48886	17.639	ug/l	99
44) Trichloroethene	8.866	130	70695	20.319	ug/l	97
45) 1,2-Dichloropropane	9.140	63	55919	20.131	ug/l	98
46) Dibromomethane	9.231	93	34103	19.612	ug/l	98
47) Bromodichloromethane	9.420	83	89355	20.570	ug/l	97
48) Methyl methacrylate	9.219	41	21714	16.948	ug/l	93
49) 1,4-Dioxane	9.231	88	6896	372.078	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	127974	88.084	ug/l	99
52) Toluene	10.170	92	167187	20.562	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	70469	18.912	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	88193	19.912	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	46804	20.150	ug/l	96
56) Ethyl methacrylate	10.438	69	46419	17.476	ug/l	97
57) 1,3-Dichloropropane	10.719	76	73345	19.697	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	112618	86.715	ug/l	100
59) 2-Hexanone	10.762	43	81146	84.678	ug/l	98
60) Dibromochloromethane	10.908	129	63759	19.827	ug/l	98
61) 1,2-Dibromoethane	11.018	107	43603	19.884	ug/l	96
64) Tetrachloroethene	10.646	164	81769	20.925	ug/l	98
65) Chlorobenzene	11.444	112	183689	19.830	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	65069	19.952	ug/l	97
67) Ethyl Benzene	11.517	91	295862	19.525	ug/l	99
68) m/p-Xylenes	11.627	106	244316	40.518	ug/l	99
69) o-Xylene	11.956	106	109092	19.629	ug/l	99
70) Styrene	11.969	104	187388	20.081	ug/l	99
71) Bromoform	12.133	173	37191	19.615	ug/l #	98
73) Isopropylbenzene	12.255	105	288742	19.173	ug/l	100
74) N-amyl acetate	12.072	43	41858	16.178	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	46736	18.407	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	35111m	18.186	ug/l	
77) Bromobenzene	12.530	156	73542	19.326	ug/l	98
78) n-propylbenzene	12.597	91	349898	19.510	ug/l	100
79) 2-Chlorotoluene	12.682	91	203324	19.494	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	243534	19.627	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.298	75	13702	17.090	ug/l	96
82) 4-Chlorotoluene	12.779	91	211849	19.539	ug/l	98
83) tert-Butylbenzene	12.999	119	211608	19.015	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	242538	19.542	ug/l	98
85) sec-Butylbenzene	13.176	105	316527	19.438	ug/l	99
86) p-Isopropyltoluene	13.292	119	268577	19.423	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	153561	19.869	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	150028	19.600	ug/l	99
89) n-Butylbenzene	13.621	91	230584	18.656	ug/l	99
90) Hexachloroethane	13.877	117	59920	19.723	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	130714	19.391	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7153	17.708	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	72623	19.012	ug/l	99
94) Hexachlorobutadiene	15.023	225	47671	20.283	ug/l	97
95) Naphthalene	15.145	128	104223	16.425	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	61917	18.778	ug/l	99

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

