

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050725\
 Data File : VY022184.D
 Acq On : 07 May 2025 10:58
 Operator : SY/MD
 Sample : VY0507SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0507SBS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/08/2025
 Supervised By :Semsettin Yesilyurt 05/08/2025

Quant Time: May 08 01:41:09 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

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	205040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	326892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	299208	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	165883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	101634	53.663	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.320%			
35) Dibromofluoromethane	7.634	113	107503	49.779	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.560%			
50) Toluene-d8	10.109	98	411490	50.541	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.080%			
62) 4-Bromofluorobenzene	12.408	95	138806	50.643	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.280%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	32010	18.321	ug/l	99
3) Chloromethane	2.062	50	62392	25.080	ug/l	98
4) Vinyl Chloride	2.202	62	71581	23.415	ug/l	99
5) Bromomethane	2.592	94	69481	26.380	ug/l	96
6) Chloroethane	2.733	64	51166	24.575	ug/l	99
7) Trichlorofluoromethane	3.056	101	88381	21.924	ug/l	98
8) Diethyl Ether	3.452	74	22977	21.899	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.812	101	46724	21.366	ug/l	99
10) Methyl Iodide	4.001	142	47644	18.818	ug/l	100
11) Tert butyl alcohol	4.885	59	11303	108.709	ug/l	96
12) 1,1-Dichloroethene	3.787	96	42513	20.857	ug/l	93
13) Acrolein	3.653	56	10106	54.154	ug/l	99
14) Allyl chloride	4.379	41	51366	21.642	ug/l	98
15) Acrylonitrile	5.061	53	41090	106.973	ug/l	99
16) Acetone	3.873	43	33890	126.125	ug/l #	86
17) Carbon Disulfide	4.104	76	135107	20.788	ug/l	98
18) Methyl Acetate	4.391	43	20014	22.623	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	95186	20.864	ug/l	99
20) Methylene Chloride	4.610	84	51766	21.616	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	48848	21.398	ug/l	98
22) Diisopropyl ether	6.019	45	123830	23.445	ug/l	96
23) Vinyl Acetate	5.958	43	315993	111.011	ug/l	97
24) 1,1-Dichloroethane	5.915	63	82514	22.538	ug/l	97
25) 2-Butanone	6.896	43	48911	113.296	ug/l	95
26) 2,2-Dichloropropane	6.884	77	72350	22.547	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	55952	21.921	ug/l	100
28) Bromochloromethane	7.244	49	32904	23.139	ug/l	95
29) Tetrahydrofuran	7.268	42	30874	110.112	ug/l	97
30) Chloroform	7.421	83	90585	22.306	ug/l	98
31) Cyclohexane	7.701	56	64218	20.512	ug/l	98
32) 1,1,1-Trichloroethane	7.610	97	81373	22.148	ug/l	98
36) 1,1-Dichloropropene	7.835	75	61477	21.192	ug/l	98
37) Ethyl Acetate	6.982	43	22311	21.414	ug/l	100
38) Carbon Tetrachloride	7.817	117	71972	20.763	ug/l	95
39) Methylcyclohexane	9.109	83	71107	19.478	ug/l	94
40) Benzene	8.079	78	198031	21.838	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	12372	21.722	ug/l	95
42) 1,2-Dichloroethane	8.158	62	50654	22.561	ug/l	99
43) Isopropyl Acetate	8.195	43	43024	21.503	ug/l	98
44) Trichloroethene	8.866	130	51892	20.660	ug/l	92
45) 1,2-Dichloropropane	9.140	63	46285	23.080	ug/l	97
46) Dibromomethane	9.231	93	27749	22.104	ug/l	97
47) Bromodichloromethane	9.420	83	69364	22.118	ug/l	94
48) Methyl methacrylate	9.219	41	19045	20.590	ug/l	99
49) 1,4-Dioxane	9.231	88	5235	391.252	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	116205	110.791	ug/l	98
52) Toluene	10.170	92	127155	21.662	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	58557	21.769	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	69724	21.805	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	38082	22.710	ug/l	97
56) Ethyl methacrylate	10.439	69	38020	19.827	ug/l	96
57) 1,3-Dichloropropane	10.719	76	58963	21.934	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	96784	103.227	ug/l	98
59) 2-Hexanone	10.762	43	74729	108.019	ug/l	95
60) Dibromochloromethane	10.914	129	49615	21.371	ug/l	98
61) 1,2-Dibromoethane	11.018	107	33910	21.420	ug/l	99
64) Tetrachloroethene	10.646	164	60955	21.595	ug/l	95
65) Chlorobenzene	11.444	112	140724	21.032	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	50316	21.360	ug/l	98
67) Ethyl Benzene	11.518	91	223509	20.420	ug/l	100
68) m/p-Xylenes	11.627	106	184214	42.295	ug/l	99
69) o-Xylene	11.957	106	82090	20.449	ug/l	100
70) Styrene	11.969	104	141762	21.032	ug/l	99
71) Bromoform	12.133	173	28663	20.929	ug/l #	100
73) Isopropylbenzene	12.255	105	216768	19.559	ug/l	100
74) N-amyl acetate	12.072	43	38083	20.000	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39962	21.387	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	29974m	21.096	ug/l	
77) Bromobenzene	12.530	156	54922	19.612	ug/l	93
78) n-propylbenzene	12.597	91	267600	20.275	ug/l	99
79) 2-Chlorotoluene	12.682	91	156077	20.334	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	184894	20.248	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	12233	20.733	ug/l	98
82) 4-Chlorotoluene	12.780	91	167701	21.018	ug/l	98
83) tert-Butylbenzene	12.999	119	158382	19.339	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	188897	20.681	ug/l	98
85) sec-Butylbenzene	13.176	105	237888	19.851	ug/l	100
86) p-Isopropyltoluene	13.292	119	202784	19.927	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	115298	20.271	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	116826	20.739	ug/l	99
89) n-Butylbenzene	13.621	91	179599	19.745	ug/l	98
90) Hexachloroethane	13.877	117	45266	20.246	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	102002	20.561	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	5922	19.921	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	53831	19.149	ug/l	98
94) Hexachlorobutadiene	15.023	225	34543	19.971	ug/l	96
95) Naphthalene	15.145	128	79205	16.961	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	46563	19.188	ug/l	96

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

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