

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090425\
 Data File : VY023281.D
 Acq On : 04 Sep 2025 10:26
 Operator : SY/MD
 Sample : VY0904SBSD01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0904SBSD01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/05/2025
 Supervised By :Semsettin Yesilyurt 09/05/2025

Quant Time: Sep 05 04:23:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	470601	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	724560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	642177	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	334491	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	204994	45.705	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.420%
35) Dibromofluoromethane	7.640	113	218274	50.345	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.700%
50) Toluene-d8	10.109	98	821282	48.490	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.980%
62) 4-Bromofluorobenzene	12.401	95	263228	48.326	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.660%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	74858	19.488	ug/l	98
3) Chloromethane	2.074	50	114952	18.476	ug/l	99
4) Vinyl Chloride	2.208	62	144951	18.847	ug/l	99
5) Bromomethane	2.592	94	123713	21.539	ug/l	90
6) Chloroethane	2.739	64	98191	19.204	ug/l	99
7) Trichlorofluoromethane	3.056	101	179321	19.175	ug/l	99
8) Diethyl Ether	3.458	74	48070	19.429	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.818	101	94768	20.541	ug/l	97
10) Methyl Iodide	4.007	142	103820	20.854	ug/l	100
11) Tert butyl alcohol	4.860	59	27560	89.679	ug/l	97
12) 1,1-Dichloroethene	3.793	96	88366	19.486	ug/l	93
13) Acrolein	3.659	56	19092	42.420	ug/l	99
14) Allyl chloride	4.385	41	115779	17.351	ug/l	98
15) Acrylonitrile	5.061	53	94969	94.415	ug/l	97
16) Acetone	3.866	43	118899	122.364	ug/l	95
17) Carbon Disulfide	4.110	76	274884	18.590	ug/l	99
18) Methyl Acetate	4.385	43	51615	17.850	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	222665	18.948	ug/l	99
20) Methylene Chloride	4.622	84	106472	19.425	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	101117	19.841	ug/l	93
22) Diisopropyl ether	6.025	45	267475	18.446	ug/l	97
23) Vinyl Acetate	5.970	43	728142	90.815	ug/l	97
24) 1,1-Dichloroethane	5.921	63	169559	19.126	ug/l	99
25) 2-Butanone	6.896	43	139603	105.637	ug/l	96
26) 2,2-Dichloropropane	6.890	77	150408	19.662	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	116674	19.803	ug/l	95
28) Bromochloromethane	7.250	49	68873	19.582	ug/l	88
29) Tetrahydrofuran	7.268	42	75336	91.967	ug/l	96
30) Chloroform	7.427	83	185890	20.332	ug/l	95
31) Cyclohexane	7.707	56	141186	16.900	ug/l	92
32) 1,1,1-Trichloroethane	7.622	97	164029	20.219	ug/l	98
36) 1,1-Dichloropropene	7.835	75	128682	19.972	ug/l	98
37) Ethyl Acetate	6.982	43	53961	19.937	ug/l	99
38) Carbon Tetrachloride	7.823	117	146197	20.891	ug/l	97
39) Methylcyclohexane	9.109	83	157794	18.597	ug/l	97
40) Benzene	8.085	78	405017	20.395	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	31549	20.197	ug/l	97
42) 1,2-Dichloroethane	8.158	62	104337	20.201	ug/l	99
43) Isopropyl Acetate	8.201	43	103288	18.881	ug/l #	84
44) Trichloroethene	8.865	130	111544	21.735	ug/l	95
45) 1,2-Dichloropropane	9.140	63	93250	20.408	ug/l	100
46) Dibromomethane	9.231	93	56223	21.437	ug/l	97
47) Bromodichloromethane	9.426	83	142867	21.170	ug/l	99
48) Methyl methacrylate	9.225	41	47906	18.300	ug/l	94
49) 1,4-Dioxane	9.231	88	12427	404.111	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	271313	96.148	ug/l	99
52) Toluene	10.170	92	260772	20.675	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	120464	19.713	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	144211	19.957	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	76542	21.811	ug/l	98
56) Ethyl methacrylate	10.438	69	85954	19.141	ug/l	96
57) 1,3-Dichloropropane	10.719	76	124571	20.930	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	194803	91.965	ug/l	96
59) 2-Hexanone	10.761	43	193476	100.691	ug/l	99
60) Dibromochloromethane	10.914	129	101287	21.873	ug/l	97
61) 1,2-Dibromoethane	11.018	107	70658	21.422	ug/l	100
64) Tetrachloroethene	10.646	164	134107	23.387	ug/l	98
65) Chlorobenzene	11.444	112	289564	20.904	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	101420	21.573	ug/l	99
67) Ethyl Benzene	11.517	91	466177	19.556	ug/l	98
68) m/p-Xylenes	11.627	106	380068	40.823	ug/l	96
69) o-Xylene	11.956	106	176185	20.205	ug/l	97
70) Styrene	11.969	104	292604	20.519	ug/l	98
71) Bromoform	12.133	173	62064	22.588	ug/l #	98
73) Isopropylbenzene	12.255	105	448066	18.979	ug/l	99
74) N-amyl acetate	12.072	43	86133	17.204	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	78055	19.364	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	58938m	18.257	ug/l	
77) Bromobenzene	12.529	156	118138	20.976	ug/l	93
78) n-propylbenzene	12.597	91	541124	19.252	ug/l	99
79) 2-Chlorotoluene	12.676	91	312678	19.416	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	368407	19.309	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	24464	18.344	ug/l	99
82) 4-Chlorotoluene	12.773	91	320725	19.198	ug/l	97
83) tert-Butylbenzene	12.999	119	331762	19.252	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	372847	19.631	ug/l	99
85) sec-Butylbenzene	13.176	105	485105	19.164	ug/l	99
86) p-Isopropyltoluene	13.291	119	409714	19.499	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	231886	20.878	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	226623	20.569	ug/l	98
89) n-Butylbenzene	13.615	91	358984	18.602	ug/l	99
90) Hexachloroethane	13.877	117	87847	20.423	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	203617	20.904	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12228	19.483	ug/l	90
93) 1,2,4-Trichlorobenzene	14.919	180	117184	20.344	ug/l	99
94) Hexachlorobutadiene	15.023	225	72572	21.440	ug/l	99
95) Naphthalene	15.145	128	188321	19.173	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	104455	21.044	ug/l	98

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

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