

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090325\
 Data File : VY023269.D
 Acq On : 03 Sep 2025 09:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 04 01:13:39 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/04/2025
 Supervised By :Semsettin Yesilyurt 09/04/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	481760	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	725179	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.420	117	645990	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	337743	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	205938	44.852	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.700%		
35) Dibromofluoromethane	7.640	113	220542	50.825	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.660%		
50) Toluene-d8	10.109	98	839595	49.529	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.060%		
62) 4-Bromofluorobenzene	12.408	95	273115	50.098	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	163272	41.520	ug/l	97
3) Chloromethane	2.074	50	276392	43.395	ug/l	100
4) Vinyl Chloride	2.208	62	350678	44.541	ug/l	100
5) Bromomethane	2.598	94	276926	47.097	ug/l	97
6) Chloroethane	2.739	64	246156	47.027	ug/l	99
7) Trichlorofluoromethane	3.062	101	449525	46.955	ug/l	99
8) Diethyl Ether	3.464	74	125166	49.418	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	243023	51.455	ug/l	97
10) Methyl Iodide	4.013	142	287844	56.478	ug/l	100
11) Tert butyl alcohol	4.860	59	91744	291.616	ug/l	99
12) 1,1-Dichloroethene	3.793	96	233570	50.312	ug/l	92
13) Acrolein	3.659	56	18920	41.064	ug/l	99
14) Allyl chloride	4.391	41	306946	44.934	ug/l	98
15) Acrylonitrile	5.067	53	254121	246.787	ug/l	99
16) Acetone	3.872	43	274048	275.501	ug/l	99
17) Carbon Disulfide	4.110	76	676006	44.658	ug/l	99
18) Methyl Acetate	4.391	43	144079	48.673	ug/l	95
19) Methyl tert-butyl Ether	5.122	73	604492	50.249	ug/l	100
20) Methylene Chloride	4.622	84	275419	53.473	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	266987	51.175	ug/l	94
22) Diisopropyl ether	6.025	45	708974	47.762	ug/l	95
23) Vinyl Acetate	5.964	43	1946500	237.148	ug/l	98
24) 1,1-Dichloroethane	5.921	63	453584	49.979	ug/l	98
25) 2-Butanone	6.896	43	335166	247.745	ug/l	96
26) 2,2-Dichloropropane	6.890	77	410547	52.426	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	314964	52.221	ug/l	95
28) Bromochloromethane	7.250	49	164510	45.690	ug/l	91
29) Tetrahydrofuran	7.268	42	198085	236.214	ug/l	96
30) Chloroform	7.427	83	486865	52.017	ug/l	98
31) Cyclohexane	7.707	56	372535	43.560	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	433960	52.253	ug/l	99
36) 1,1-Dichloropropene	7.841	75	335741	52.063	ug/l	98
37) Ethyl Acetate	6.988	43	137609	50.799	ug/l	98
38) Carbon Tetrachloride	7.823	117	393444	56.173	ug/l	99
39) Methylcyclohexane	9.109	83	437717	51.544	ug/l	97
40) Benzene	8.085	78	1054060	53.032	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	72709	46.508	ug/l	90
42) 1,2-Dichloroethane	8.164	62	266428	51.540	ug/l	99
43) Isopropyl Acetate	8.201	43	269887	49.293	ug/l #	83
44) Trichloroethene	8.872	130	294669	57.369	ug/l	95
45) 1,2-Dichloropropane	9.140	63	242950	53.124	ug/l	98
46) Dibromomethane	9.231	93	144094	54.895	ug/l	96
47) Bromodichloromethane	9.426	83	371725	55.036	ug/l	97
48) Methyl methacrylate	9.225	41	127928	48.828	ug/l	93
49) 1,4-Dioxane	9.237	88	32251	1047.868	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	725478	256.875	ug/l	98
52) Toluene	10.170	92	692788	54.880	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	327695	53.578	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	390247	53.958	ug/l	98
55) 1,1,2-Trichloroethane	10.572	97	197244	56.157	ug/l	99
56) Ethyl methacrylate	10.438	69	246009	54.736	ug/l	96
57) 1,3-Dichloropropane	10.719	76	319623	53.657	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	534459	252.100	ug/l	96
59) 2-Hexanone	10.761	43	522526	271.707	ug/l	99
60) Dibromochloromethane	10.914	129	269605	58.173	ug/l	100
61) 1,2-Dibromoethane	11.018	107	186743	56.567	ug/l	99
64) Tetrachloroethene	10.652	164	346656	60.097	ug/l	96
65) Chlorobenzene	11.444	112	771159	55.343	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	272332	57.587	ug/l	98
67) Ethyl Benzene	11.517	91	1299307	54.185	ug/l	97
68) m/p-Xylenes	11.627	106	1040302	111.080	ug/l	97
69) o-Xylene	11.956	106	487794	55.611	ug/l	98
70) Styrene	11.969	104	822067	57.308	ug/l	97
71) Bromoform	12.133	173	163022	58.982	ug/l #	99
73) Isopropylbenzene	12.255	105	1287160	53.997	ug/l	99
74) N-amyl acetate	12.072	43	243826	48.233	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	206774	50.802	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	162121m	49.737	ug/l	
77) Bromobenzene	12.536	156	313466	55.121	ug/l	94
78) n-propylbenzene	12.597	91	1526692	53.794	ug/l	98
79) 2-Chlorotoluene	12.682	91	854670	52.561	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	1034057	53.675	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	63299	47.008	ug/l	98
82) 4-Chlorotoluene	12.779	91	888703	52.684	ug/l	98
83) tert-Butylbenzene	12.999	119	942129	54.146	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	1041166	54.290	ug/l	99
85) sec-Butylbenzene	13.176	105	1394052	54.540	ug/l	99
86) p-Isopropyltoluene	13.291	119	1174371	55.353	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	627445	55.948	ug/l	98
88) 1,4-Dichlorobenzene	13.371	146	611826	54.996	ug/l	99
89) n-Butylbenzene	13.621	91	1048476	53.807	ug/l	99
90) Hexachloroethane	13.883	117	237913	54.779	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	548132	55.731	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	32065	50.598	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	325390	55.945	ug/l	98
94) Hexachlorobutadiene	15.023	225	192428	56.302	ug/l	99
95) Naphthalene	15.145	128	539043	54.351	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	277182	55.305	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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