

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023816.D
 Acq On : 26 Nov 2025 10:50
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY112625

Quant Time: Nov 27 01:17:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/01/2025
 Supervised By :Mahesh Dadoda 12/02/2025

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	605213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	946786	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	823538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	425396	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	291561	49.469	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.940%
35) Dibromofluoromethane	7.634	113	283457	50.539	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.080%
50) Toluene-d8	10.103	98	1142465	51.283	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.560%
62) 4-Bromofluorobenzene	12.401	95	374049	51.029	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.060%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	199844	43.815	ug/l	97
3) Chloromethane	2.074	50	326559	46.800	ug/l	98
4) Vinyl Chloride	2.208	62	360242	47.725	ug/l	100
5) Bromomethane	2.598	94	240840	45.230	ug/l	97
6) Chloroethane	2.739	64	233552	47.477	ug/l	99
7) Trichlorofluoromethane	3.062	101	485263	47.551	ug/l	99
8) Diethyl Ether	3.458	74	157529	49.011	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	280967	47.173	ug/l	99
10) Methyl Iodide	4.007	142	310869	47.630	ug/l	100
11) Tert butyl alcohol	4.854	59	102898	212.573	ug/l	100
12) 1,1-Dichloroethene	3.793	96	284850	48.612	ug/l	100
13) Acrolein	3.653	56	163680	235.219	ug/l	99
14) Allyl chloride	4.385	41	462858	49.862	ug/l	99
15) Acrylonitrile	5.055	53	345475	249.035	ug/l	98
16) Acetone	3.872	43	401149	236.232	ug/l	99
17) Carbon Disulfide	4.110	76	904681	47.840	ug/l	100
18) Methyl Acetate	4.385	43	159839	48.741	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	755578	50.458	ug/l	99
20) Methylene Chloride	4.616	84	321179	44.739	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	316475	48.780	ug/l	99
22) Diisopropyl ether	6.018	45	1020554	50.845	ug/l	99
23) Vinyl Acetate	5.964	43	2908683	260.593	ug/l	99
24) 1,1-Dichloroethane	5.921	63	574662	48.667	ug/l	98
25) 2-Butanone	6.896	43	509151	245.687	ug/l	99
26) 2,2-Dichloropropane	6.884	77	504372	48.189	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	372903	49.496	ug/l	98
28) Bromochloromethane	7.250	49	246577	50.202	ug/l	100
29) Tetrahydrofuran	7.262	42	292492	253.054	ug/l	100
30) Chloroform	7.421	83	578168	48.695	ug/l	99
31) Cyclohexane	7.701	56	531720	46.925	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	512677	48.644	ug/l	100
36) 1,1-Dichloropropene	7.835	75	428863	49.871	ug/l	100
37) Ethyl Acetate	6.988	43	203185	50.232	ug/l	98
38) Carbon Tetrachloride	7.823	117	464341	49.193	ug/l	99
39) Methylcyclohexane	9.109	83	568218	50.031	ug/l	98
40) Benzene	8.079	78	1312371	49.591	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	96227	47.651	ug/l	94
42) 1,2-Dichloroethane	8.158	62	339650	49.784	ug/l	99
43) Isopropyl Acetate	8.201	43	391123	51.743	ug/l	100
44) Trichloroethene	8.865	130	339157	49.950	ug/l	98
45) 1,2-Dichloropropane	9.140	63	313901	50.309	ug/l	100
46) Dibromomethane	9.231	93	167417	49.448	ug/l	99
47) Bromodichloromethane	9.426	83	443038	50.071	ug/l	96
48) Methyl methacrylate	9.219	41	184165	51.747	ug/l	96
49) 1,4-Dioxane	9.225	88	38346	1010.592	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	1058487	265.999	ug/l	100
52) Toluene	10.170	92	844866	51.499	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	419288	51.731	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	493811	50.897	ug/l	96
55) 1,1,2-Trichloroethane	10.572	97	229436	50.589	ug/l	98
56) Ethyl methacrylate	10.438	69	324025	54.412	ug/l	99
57) 1,3-Dichloropropane	10.719	76	399949	50.553	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	786072	274.774	ug/l	100
59) 2-Hexanone	10.761	43	775397	263.508	ug/l	100
60) Dibromochloromethane	10.908	129	308866	50.751	ug/l	100
61) 1,2-Dibromoethane	11.011	107	214926	51.054	ug/l	97
64) Tetrachloroethene	10.646	164	392925	50.295	ug/l	99
65) Chlorobenzene	11.438	112	903776	49.995	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	310931	50.631	ug/l	98
67) Ethyl Benzene	11.517	91	1605188	51.986	ug/l	100
68) m/p-Xylenes	11.627	106	1224804	102.939	ug/l	99
69) o-Xylene	11.950	106	576057	51.642	ug/l	99
70) Styrene	11.969	104	965758	52.557	ug/l	100
71) Bromoform	12.127	173	180986	50.524	ug/l #	100
73) Isopropylbenzene	12.249	105	1536018	50.876	ug/l	100
74) N-amyl acetate	12.066	43	355965	52.774	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	244226	49.133	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	187263m	50.621	ug/l	
77) Bromobenzene	12.529	156	351980	49.566	ug/l	100
78) n-propylbenzene	12.597	91	1836538	50.525	ug/l	100
79) 2-Chlorotoluene	12.676	91	1039622	49.694	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	1253868	50.874	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	90392	51.648	ug/l	96
82) 4-Chlorotoluene	12.773	91	1076490	50.104	ug/l	100
83) tert-Butylbenzene	12.993	119	1130264	51.048	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1255424	50.968	ug/l	100
85) sec-Butylbenzene	13.176	105	1657174	50.703	ug/l	100
86) p-Isopropyltoluene	13.291	119	1388004	50.808	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	699537	49.152	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	695830	48.981	ug/l	99
89) n-Butylbenzene	13.615	91	1289715	51.488	ug/l	100
90) Hexachloroethane	13.877	117	282963	49.299	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	619921	49.810	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	41331	49.676	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	373440	50.325	ug/l	99
94) Hexachlorobutadiene	15.023	225	228160	49.372	ug/l	98
95) Naphthalene	15.139	128	665577	53.185	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	321532	50.877	ug/l	99

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

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