

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023811.D
 Acq On : 26 Nov 2025 08:49
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:57:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 00:55:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	556743	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	885764	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	762209	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	382282	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	107470	19.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	39.640%#
35) Dibromofluoromethane	7.640	113	105212	20.051	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	40.100%#
50) Toluene-d8	10.109	98	419040	20.106	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	40.220%#
62) 4-Bromofluorobenzene	12.401	95	134901	19.672	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	39.340%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	92159	21.965	ug/l	98
3) Chloromethane	2.074	50	135209	21.064	ug/l	97
4) Vinyl Chloride	2.208	62	142424	20.511	ug/l	96
5) Bromomethane	2.592	94	97742	19.954	ug/l	100
6) Chloroethane	2.732	64	93605	20.685	ug/l	99
7) Trichlorofluoromethane	3.056	101	194642	20.733	ug/l	96
8) Diethyl Ether	3.452	74	58730	19.863	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	111667	20.381	ug/l	100
10) Methyl Iodide	4.007	142	119008	19.821	ug/l	99
11) Tert butyl alcohol	4.848	59	40736	91.481	ug/l	95
12) 1,1-Dichloroethene	3.793	96	109410	20.297	ug/l	99
13) Acrolein	3.659	56	61923	96.735	ug/l	98
14) Allyl chloride	4.385	41	173293	20.293	ug/l	99
15) Acrylonitrile	5.061	53	123452	96.738	ug/l	99
16) Acetone	3.872	43	152557	97.661	ug/l	98
17) Carbon Disulfide	4.110	76	360392	20.717	ug/l	99
18) Methyl Acetate	4.385	43	58271	19.316	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	267135	19.392	ug/l	99
20) Methylene Chloride	4.622	84	129636	19.630	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	120839	20.247	ug/l	96
22) Diisopropyl ether	6.018	45	380757	20.621	ug/l	99
23) Vinyl Acetate	5.964	43	1009741	98.340	ug/l	100
24) 1,1-Dichloroethane	5.915	63	220340	20.285	ug/l	98
25) 2-Butanone	6.896	43	181564	95.240	ug/l	98
26) 2,2-Dichloropropane	6.890	77	190759	19.812	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	138769	20.023	ug/l	99
28) Bromochloromethane	7.244	49	90230	19.970	ug/l	98
29) Tetrahydrofuran	7.262	42	100057	94.102	ug/l	99
30) Chloroform	7.421	83	221797	20.307	ug/l	97
31) Cyclohexane	7.701	56	208772	20.029	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	196476	20.265	ug/l	99
36) 1,1-Dichloropropene	7.835	75	163817	20.362	ug/l	99
37) Ethyl Acetate	6.988	43	74497	19.686	ug/l	99
38) Carbon Tetrachloride	7.817	117	177842	20.139	ug/l	96
39) Methylcyclohexane	9.109	83	209460	19.713	ug/l	99
40) Benzene	8.079	78	508024	20.520	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	38732	20.026	ug/l	92
42) 1,2-Dichloroethane	8.158	62	126790	19.865	ug/l	99
43) Isopropyl Acetate	8.195	43	132641	18.756	ug/l	99
44) Trichloroethene	8.865	130	131402	20.686	ug/l	92
45) 1,2-Dichloropropane	9.140	63	119131	20.409	ug/l	100
46) Dibromomethane	9.231	93	64634	20.406	ug/l	97
47) Bromodichloromethane	9.420	83	165883	20.039	ug/l	96
48) Methyl methacrylate	9.219	41	63502	19.072	ug/l	98
49) 1,4-Dioxane	9.225	88	12754	359.283	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	351650	94.458	ug/l	98
52) Toluene	10.170	92	312929	20.389	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	146889	19.371	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	180268	19.860	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	83309	19.634	ug/l	97
56) Ethyl methacrylate	10.438	69	102493	18.397	ug/l	100
57) 1,3-Dichloropropane	10.713	76	145459	19.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	253922	94.874	ug/l	99
59) 2-Hexanone	10.755	43	261283	94.910	ug/l	99
60) Dibromochloromethane	10.908	129	113709	19.971	ug/l	99
61) 1,2-Dibromoethane	11.011	107	77429	19.660	ug/l	98
64) Tetrachloroethene	10.646	164	155362	21.487	ug/l	98
65) Chlorobenzene	11.438	112	340825	20.371	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.511	131	115189	20.266	ug/l	98
67) Ethyl Benzene	11.517	91	575333	20.132	ug/l	100
68) m/p-Xylenes	11.627	106	450352	40.896	ug/l	99
69) o-Xylene	11.950	106	206970	20.047	ug/l	97
70) Styrene	11.969	104	340595	20.027	ug/l	99
71) Bromoform	12.127	173	63581	19.177	ug/l #	98
73) Isopropylbenzene	12.255	105	546020	20.125	ug/l	100
74) N-amyl acetate	12.066	43	111944	18.468	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	80160	17.945	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	64388m	19.443	ug/l	
77) Bromobenzene	12.529	156	127101	19.917	ug/l	99
78) n-propylbenzene	12.590	91	657150	20.118	ug/l	100
79) 2-Chlorotoluene	12.676	91	378773	20.147	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	441817	19.948	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	29220	18.579	ug/l	97
82) 4-Chlorotoluene	12.773	91	388634	20.129	ug/l	97
83) tert-Butylbenzene	12.993	119	395625	19.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	448562	20.265	ug/l	100
85) sec-Butylbenzene	13.170	105	587207	19.993	ug/l	100
86) p-Isopropyltoluene	13.292	119	489495	19.939	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	255366	19.967	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	251601	19.708	ug/l	99
89) n-Butylbenzene	13.615	91	442694	19.666	ug/l	100
90) Hexachloroethane	13.877	117	100778	19.538	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	222634	19.906	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13061	17.469	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	127613	19.137	ug/l	99
94) Hexachlorobutadiene	15.023	225	81242	19.563	ug/l	99
95) Naphthalene	15.139	128	198894	17.686	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	108628	19.127	ug/l	97

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

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