

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023809.D
 Acq On : 26 Nov 2025 08:04
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:55:47 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	532129	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	866822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	736167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	350642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	27044	5.219	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	10.440%#		
35) Dibromofluoromethane	7.634	113	25931	5.050	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	10.100%#		
50) Toluene-d8	10.109	98	100595	4.932	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	9.860%#		
62) 4-Bromofluorobenzene	12.401	95	33655	5.015	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	10.020%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	22458	5.600	ug/l	96
3) Chloromethane	2.074	50	34081	5.555	ug/l	99
4) Vinyl Chloride	2.208	62	35243	5.310	ug/l	95
5) Bromomethane	2.598	94	28883	6.169	ug/l	92
6) Chloroethane	2.739	64	23232	5.371	ug/l	91
7) Trichlorofluoromethane	3.068	101	48226	5.375	ug/l	97
8) Diethyl Ether	3.458	74	14681	5.195	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.811	101	28577	5.457	ug/l	100
10) Methyl Iodide	4.000	142	25593	4.460	ug/l	99
11) Tert butyl alcohol	4.860	59	14209m	33.385	ug/l	
12) 1,1-Dichloroethene	3.799	96	27047	5.250	ug/l	92
13) Acrolein	3.659	56	16096	26.308	ug/l	99
14) Allyl chloride	4.391	41	40290	4.936	ug/l	98
15) Acrylonitrile	5.067	53	29006	23.781	ug/l	96
16) Acetone	3.872	43	39498	26.455	ug/l	100
17) Carbon Disulfide	4.110	76	87477	5.261	ug/l	97
18) Methyl Acetate	4.391	43	14515	5.034	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	62884	4.776	ug/l	96
20) Methylene Chloride	4.616	84	40177	6.365	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	29429	5.159	ug/l	95
22) Diisopropyl ether	6.012	45	83725	4.744	ug/l #	84
23) Vinyl Acetate	5.964	43	223175	22.741	ug/l	100
24) 1,1-Dichloroethane	5.915	63	53844	5.186	ug/l	100
25) 2-Butanone	6.896	43	44989	24.691	ug/l	94
26) 2,2-Dichloropropane	6.890	77	49810	5.413	ug/l	94
27) cis-1,2-Dichloroethene	6.896	96	33832	5.107	ug/l	98
28) Bromochloromethane	7.244	49	23235	5.380	ug/l	99
29) Tetrahydrofuran	7.268	42	23903	23.520	ug/l	99
30) Chloroform	7.427	83	54536	5.224	ug/l	95
31) Cyclohexane	7.707	56	56393	5.660	ug/l #	77
32) 1,1,1-Trichloroethane	7.610	97	47530	5.129	ug/l	99
36) 1,1-Dichloropropene	7.841	75	39399	5.004	ug/l	98
37) Ethyl Acetate	6.994	43	18095	4.886	ug/l	97
38) Carbon Tetrachloride	7.817	117	44591	5.160	ug/l	96
39) Methylcyclohexane	9.103	83	51838	4.985	ug/l	93
40) Benzene	8.079	78	122693	5.064	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	9701m	5.125	ug/l	
42) 1,2-Dichloroethane	8.158	62	31668	5.070	ug/l	99
43) Isopropyl Acetate	8.201	43	32350	4.674	ug/l #	88
44) Trichloroethene	8.865	130	31758	5.109	ug/l	95
45) 1,2-Dichloropropane	9.140	63	28056	4.911	ug/l	95
46) Dibromomethane	9.231	93	15252	4.920	ug/l	98
47) Bromodichloromethane	9.426	83	40564	5.007	ug/l	96
48) Methyl methacrylate	9.225	41	13354	4.098	ug/l	93
49) 1,4-Dioxane	9.225	88	3210	92.402	ug/l #	94
51) 4-Methyl-2-Pentanone	9.999	43	79196	21.738	ug/l	100
52) Toluene	10.170	92	70888	4.720	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	34548	4.656	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	42262	4.758	ug/l	94
55) 1,1,2-Trichloroethane	10.572	97	20191	4.863	ug/l	94
56) Ethyl methacrylate	10.438	69	21354	3.917	ug/l	94
57) 1,3-Dichloropropane	10.719	76	35550	4.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	54697	20.883	ug/l	99
59) 2-Hexanone	10.761	43	56863	21.107	ug/l	99
60) Dibromochloromethane	10.908	129	26404	4.739	ug/l	99
61) 1,2-Dibromoethane	11.011	107	18914	4.907	ug/l	97
64) Tetrachloroethene	10.646	164	38652	5.535	ug/l	97
65) Chlorobenzene	11.438	112	80968	5.011	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	27581	5.024	ug/l	98
67) Ethyl Benzene	11.517	91	130977	4.745	ug/l	98
68) m/p-Xylenes	11.627	106	99496	9.355	ug/l	99
69) o-Xylene	11.950	106	46612	4.675	ug/l	94
70) Styrene	11.969	104	73240	4.459	ug/l	99
71) Bromoform	12.133	173	15744	4.917	ug/l #	97
73) Isopropylbenzene	12.255	105	118872	4.777	ug/l	98
74) N-amyl acetate	12.072	43	23625	4.249	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	20330	4.962	ug/l	97
76) 1,2,3-Trichloropropane	12.554	75	15187m	5.000	ug/l	
77) Bromobenzene	12.529	156	29918	5.111	ug/l	97
78) n-propylbenzene	12.590	91	145340	4.851	ug/l	100
79) 2-Chlorotoluene	12.676	91	85012	4.930	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	96483	4.749	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	6416	4.448	ug/l	86
82) 4-Chlorotoluene	12.773	91	86822	4.903	ug/l	96
83) tert-Butylbenzene	12.993	119	88226	4.834	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	94919	4.675	ug/l	99
85) sec-Butylbenzene	13.170	105	132038	4.901	ug/l	100
86) p-Isopropyltoluene	13.291	119	107702	4.783	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	59468	5.069	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	63039	5.383	ug/l	95
89) n-Butylbenzene	13.615	91	98307	4.761	ug/l	99
90) Hexachloroethane	13.877	117	24971	5.278	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	52221	5.090	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3631	5.295	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	29977	4.901	ug/l	95
94) Hexachlorobutadiene	15.023	225	20588	5.405	ug/l	95
95) Naphthalene	15.145	128	42163	4.087	ug/l	97
96) 1,2,3-Trichlorobenzene	15.328	180	24916	4.783	ug/l	96

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

