

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090825\
 Data File : VY023304.D
 Acq On : 08 Sep 2025 10:23
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

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

Quant Time: Sep 09 01:43:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 09 01:40:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	505065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	791591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	688550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	341346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	46032	10.372	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	20.740%#		
35) Dibromofluoromethane	7.640	113	49520	10.234	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	20.460%#		
50) Toluene-d8	10.109	98	178174	9.752	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.500%#		
62) 4-Bromofluorobenzene	12.408	95	53639	9.329	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.660%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	45127	11.137	ug/l	98
3) Chloromethane	2.074	50	64339	11.096	ug/l	98
4) Vinyl Chloride	2.208	62	79359	10.864	ug/l	98
5) Bromomethane	2.598	94	63603	10.664	ug/l	97
6) Chloroethane	2.739	64	53422	10.807	ug/l	99
7) Trichlorofluoromethane	3.062	101	100776	10.931	ug/l	98
8) Diethyl Ether	3.452	74	25406	10.415	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	52967	10.683	ug/l	100
10) Methyl Iodide	4.007	142	55281	9.558	ug/l	99
11) Tert butyl alcohol	4.866	59	14259	55.604	ug/l #	91
12) 1,1-Dichloroethene	3.793	96	50901	10.672	ug/l	94
13) Acrolein	3.659	56	23713	54.697	ug/l	99
14) Allyl chloride	4.385	41	60984	10.122	ug/l	99
15) Acrylonitrile	5.061	53	51784	53.924	ug/l	97
16) Acetone	3.873	43	55413	54.815	ug/l	95
17) Carbon Disulfide	4.110	76	160482	10.627	ug/l	99
18) Methyl Acetate	4.391	43	27824	11.220	ug/l	100
19) Methyl tert-butyl Ether	5.122	73	114165	10.180	ug/l	100
20) Methylene Chloride	4.616	84	57486	10.629	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	54985	10.318	ug/l	97
22) Diisopropyl ether	6.025	45	136703	10.188	ug/l	90
23) Vinyl Acetate	5.964	43	370690	49.971	ug/l	98
24) 1,1-Dichloroethane	5.915	63	92202	10.506	ug/l	98
25) 2-Butanone	6.902	43	65487	52.633	ug/l	97
26) 2,2-Dichloropropane	6.890	77	80742	10.419	ug/l	99
27) cis-1,2-Dichloroethene	6.896	96	62304	10.324	ug/l	99
28) Bromochloromethane	7.250	49	36037	10.435	ug/l	99
29) Tetrahydrofuran	7.274	42	37859	51.300	ug/l	98
30) Chloroform	7.427	83	100564	10.664	ug/l	99
31) Cyclohexane	7.707	56	80679	10.388	ug/l #	91
32) 1,1,1-Trichloroethane	7.616	97	89821	10.661	ug/l	98
36) 1,1-Dichloropropene	7.835	75	69230	10.045	ug/l	98
37) Ethyl Acetate	6.988	43	29009	10.581	ug/l	99
38) Carbon Tetrachloride	7.823	117	83071	10.476	ug/l	99
39) Methylcyclohexane	9.109	83	84000	9.528	ug/l	97
40) Benzene	8.085	78	215396	10.055	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	13529m	8.882	ug/l	
42) 1,2-Dichloroethane	8.164	62	58041	10.642	ug/l	99
43) Isopropyl Acetate	8.201	43	52895	9.920	ug/l	98
44) Trichloroethene	8.866	130	59900	10.039	ug/l	97
45) 1,2-Dichloropropane	9.146	63	49852	10.305	ug/l	95
46) Dibromomethane	9.237	93	29746	10.096	ug/l	97
47) Bromodichloromethane	9.426	83	77086	10.400	ug/l	99
48) Methyl methacrylate	9.225	41	23535	9.469	ug/l	95
49) 1,4-Dioxane	9.231	88	6305	210.819	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	134544	49.321	ug/l	99
52) Toluene	10.170	92	131503	9.674	ug/l	96
53) t-1,3-Dichloropropene	10.396	75	62546	9.801	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	75522	9.904	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	40549	10.347	ug/l	97
56) Ethyl methacrylate	10.438	69	40408	8.899	ug/l	98
57) 1,3-Dichloropropane	10.719	76	64325	10.110	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.713	63	82414	41.645	ug/l	99
59) 2-Hexanone	10.762	43	91559	48.551	ug/l	95
60) Dibromochloromethane	10.914	129	53881	10.133	ug/l	99
61) 1,2-Dibromoethane	11.018	107	37104	10.103	ug/l	98
64) Tetrachloroethene	10.652	164	66581	9.702	ug/l	96
65) Chlorobenzene	11.444	112	149644	9.921	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	54244	10.245	ug/l	99
67) Ethyl Benzene	11.518	91	233279	9.466	ug/l	98
68) m/p-Xylenes	11.627	106	187831	19.035	ug/l	99
69) o-Xylene	11.956	106	84481	9.248	ug/l	100
70) Styrene	11.969	104	140425	9.275	ug/l	100
71) Bromoform	12.133	173	31732	10.064	ug/l #	97
73) Isopropylbenzene	12.255	105	216593	9.420	ug/l	100
74) N-amyl acetate	12.072	43	40779	9.383	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	42827	11.098	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	37872m	10.028	ug/l	
77) Bromobenzene	12.536	156	57406	9.772	ug/l	97
78) n-propylbenzene	12.597	91	259006	9.557	ug/l	100
79) 2-Chlorotoluene	12.682	91	151268	9.691	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	177432	9.488	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	13088	10.325	ug/l	94
82) 4-Chlorotoluene	12.780	91	161757	9.904	ug/l	98
83) tert-Butylbenzene	12.999	119	158279	9.345	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	175051	9.462	ug/l	98
85) sec-Butylbenzene	13.176	105	235130	9.541	ug/l	99
86) p-Isopropyltoluene	13.292	119	192708	9.258	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	114123	9.818	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	114786	9.970	ug/l	98
89) n-Butylbenzene	13.615	91	168712	9.139	ug/l	98
90) Hexachloroethane	13.877	117	45505	10.083	ug/l	97
91) 1,2-Dichlorobenzene	13.657	146	101023	9.968	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6093	10.063	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	54387	9.200	ug/l	98
94) Hexachlorobutadiene	15.023	225	35729	9.775	ug/l	100
95) Naphthalene	15.145	128	80591	8.481	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	48071	9.363	ug/l	98

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

