

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121625\
 Data File : VY023986.D
 Acq On : 16 Dec 2025 13:44
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/17/2025
 Supervised By :Mahesh Dadoda 12/18/2025

Quant Time: Dec 17 03:34:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:31:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.719	168	471715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	674522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	569314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	294337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	38643	10.839	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.680%#		
35) Dibromofluoromethane	7.640	113	43245	10.713	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	21.420%#		
50) Toluene-d8	10.115	98	153235	10.520	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	21.040%#		
62) 4-Bromofluorobenzene	12.408	95	50023	10.478	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	20.960%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	30784	10.171	ug/l	96
3) Chloromethane	2.074	50	34126	9.633	ug/l	99
4) Vinyl Chloride	2.214	62	42017	9.388	ug/l	96
5) Bromomethane	2.611	94	38907	9.796	ug/l	93
6) Chloroethane	2.745	64	29815	9.457	ug/l	97
7) Trichlorofluoromethane	3.068	101	69051	9.666	ug/l	96
8) Diethyl Ether	3.470	74	17780	9.313	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.830	101	42135	9.841	ug/l	99
10) Methyl Iodide	4.019	142	36707	10.237	ug/l	99
11) Tert butyl alcohol	4.903	59	9794	46.929	ug/l #	93
12) 1,1-Dichloroethene	3.799	96	37209	9.589	ug/l	95
13) Acrolein	3.665	56	19087	54.545	ug/l	100
14) Allyl chloride	4.397	41	43042	9.158	ug/l	97
15) Acrylonitrile	5.080	53	32794	44.221	ug/l	98
16) Acetone	3.879	43	59778	48.679	ug/l	98
17) Carbon Disulfide	4.116	76	84902	8.743	ug/l	97
18) Methyl Acetate	4.397	43	13836	8.592	ug/l	98
19) Methyl tert-butyl Ether	5.134	73	83495	9.057	ug/l	99
20) Methylene Chloride	4.635	84	52253	10.665	ug/l	98
21) trans-1,2-Dichloroethene	5.134	96	39243	9.306	ug/l	94
22) Diisopropyl ether	6.031	45	100611	9.269	ug/l	96
23) Vinyl Acetate	5.976	43	252690	42.766	ug/l	98
24) 1,1-Dichloroethane	5.933	63	67311	9.530	ug/l	98
25) 2-Butanone	6.909	43	54460	49.768	ug/l	99
26) 2,2-Dichloropropane	6.902	77	63049	9.566	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	48040	9.617	ug/l	95
28) Bromochloromethane	7.256	49	27451	9.739	ug/l	99
29) Tetrahydrofuran	7.274	42	23812	42.980	ug/l	98
30) Chloroform	7.433	83	76583	9.774	ug/l	100
31) Cyclohexane	7.713	56	59689	9.565	ug/l #	87
32) 1,1,1-Trichloroethane	7.628	97	70266	9.667	ug/l	98
36) 1,1-Dichloropropene	7.847	75	50377	9.105	ug/l	99
37) Ethyl Acetate	7.000	43	17003	8.118	ug/l #	93
38) Carbon Tetrachloride	7.829	117	65582	9.463	ug/l	98
39) Methylcyclohexane	9.115	83	64794	8.783	ug/l	97
40) Benzene	8.091	78	160991	9.490	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.250	41	10908m	8.625	ug/l	
42) 1,2-Dichloroethane	8.164	62	40053	9.164	ug/l	99
43) Isopropyl Acetate	8.207	43	34579	8.535	ug/l #	86
44) Trichloroethene	8.872	130	46224	9.246	ug/l	96
45) 1,2-Dichloropropane	9.146	63	35362	9.283	ug/l	98
46) Dibromomethane	9.237	93	20997	9.192	ug/l	99
47) Bromodichloromethane	9.432	83	56802	9.584	ug/l	93
48) Methyl methacrylate	9.231	41	19040m	9.642	ug/l	
49) 1,4-Dioxane	9.250	88	4313	173.344	ug/l	95
51) 4-Methyl-2-Pentanone	10.006	43	88239	41.609	ug/l	100
52) Toluene	10.176	92	112903	9.561	ug/l	98
53) t-1,3-Dichloropropene	10.402	75	44134	8.761	ug/l	95
54) cis-1,3-Dichloropropene	9.865	75	54217	8.984	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	30298	9.656	ug/l	96
56) Ethyl methacrylate	10.444	69	28307	10.151	ug/l	97
57) 1,3-Dichloropropane	10.719	76	46218	9.188	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.719	63	64206	52.327	ug/l	96
59) 2-Hexanone	10.768	43	68734	43.129	ug/l	99
60) Dibromochloromethane	10.914	129	40879	9.264	ug/l	98
61) 1,2-Dibromoethane	11.024	107	26471	9.111	ug/l	96
64) Tetrachloroethene	10.652	164	56654	9.699	ug/l	99
65) Chlorobenzene	11.444	112	119596	9.546	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	41929	9.482	ug/l	97
67) Ethyl Benzene	11.524	91	184923	9.073	ug/l	100
68) m/p-Xylenes	11.633	106	147195	17.980	ug/l	99
69) o-Xylene	11.956	106	67496	8.864	ug/l	100
70) Styrene	11.975	104	106797	8.738	ug/l	98
71) Bromoform	12.139	173	23563	8.932	ug/l #	99
73) Isopropylbenzene	12.261	105	180302	8.893	ug/l	99
74) N-amyl acetate	12.072	43	25142	8.219	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.511	83	27383	8.914	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	20507m	7.869	ug/l	
77) Bromobenzene	12.536	156	47573	9.335	ug/l	98
78) n-propylbenzene	12.597	91	208955	8.993	ug/l	99
79) 2-Chlorotoluene	12.682	91	119332	8.971	ug/l	97
80) 1,3,5-Trimethylbenzene	12.737	105	142962	8.968	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.310	75	8913	8.753	ug/l	98
82) 4-Chlorotoluene	12.779	91	125592	9.196	ug/l	98
83) tert-Butylbenzene	12.999	119	129845	8.677	ug/l	95
84) 1,2,4-Trimethylbenzene	13.048	105	142705	9.054	ug/l	100
85) sec-Butylbenzene	13.176	105	196957	9.118	ug/l	99
86) p-Isopropyltoluene	13.292	119	161700	8.910	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	92304	9.413	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	91943	9.554	ug/l	98
89) n-Butylbenzene	13.621	91	135348	8.633	ug/l	99
90) Hexachloroethane	13.883	117	36530	9.641	ug/l	95
91) 1,2-Dichlorobenzene	13.663	146	81106	9.590	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.279	75	3958	8.841	ug/l	91
93) 1,2,4-Trichlorobenzene	14.919	180	42318	8.796	ug/l	99
94) Hexachlorobutadiene	15.029	225	32316	9.594	ug/l	98
95) Naphthalene	15.145	128	55235	8.379	ug/l	98
96) 1,2,3-Trichlorobenzene	15.334	180	35281	8.738	ug/l	98

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

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