

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112625\
 Data File : VY023810.D
 Acq On : 26 Nov 2025 08:27
 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 :Semsettin Yesilyurt 12/01/2025
 Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Nov 27 00:56:45 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	564273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	913960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	777533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	376672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	53928	9.814	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	19.620%#		
35) Dibromofluoromethane	7.640	113	52026	9.609	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.220%#		
50) Toluene-d8	10.109	98	205669	9.564	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.120%#		
62) 4-Bromofluorobenzene	12.408	95	66256	9.364	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.720%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.873	85	46524	10.940	ug/l	99
3) Chloromethane	2.074	50	71362	10.969	ug/l	96
4) Vinyl Chloride	2.208	62	73870	10.496	ug/l	100
5) Bromomethane	2.605	94	54197	10.917	ug/l	90
6) Chloroethane	2.745	64	47420	10.339	ug/l	96
7) Trichlorofluoromethane	3.068	101	97629	10.261	ug/l	97
8) Diethyl Ether	3.458	74	28269	9.433	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.824	101	57492	10.353	ug/l	100
10) Methyl Iodide	4.019	142	57800	9.498	ug/l	99
11) Tert butyl alcohol	4.860	59	22599	50.074	ug/l #	86
12) 1,1-Dichloroethene	3.799	96	54946	10.057	ug/l	96
13) Acrolein	3.659	56	30054	46.323	ug/l	98
14) Allyl chloride	4.385	41	82586	9.542	ug/l	96
15) Acrylonitrile	5.067	53	59992	46.383	ug/l	99
16) Acetone	3.873	43	77696	49.074	ug/l	98
17) Carbon Disulfide	4.110	76	181723	10.307	ug/l	99
18) Methyl Acetate	4.391	43	29830	9.756	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	130676	9.360	ug/l	98
20) Methylene Chloride	4.622	84	74728	11.164	ug/l	96
21) trans-1,2-Dichloroethene	5.122	96	60632	10.024	ug/l	97
22) Diisopropyl ether	6.019	45	183008	9.779	ug/l	92
23) Vinyl Acetate	5.964	43	478803	46.009	ug/l	99
24) 1,1-Dichloroethane	5.915	63	110784	10.063	ug/l	98
25) 2-Butanone	6.896	43	91948	47.588	ug/l	97
26) 2,2-Dichloropropane	6.890	77	100266	10.275	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	70023	9.969	ug/l	99
28) Bromochloromethane	7.250	49	45144	9.858	ug/l	98
29) Tetrahydrofuran	7.268	42	47835	44.388	ug/l	100
30) Chloroform	7.421	83	111865	10.105	ug/l	99
31) Cyclohexane	7.707	56	107538	10.179	ug/l #	91
32) 1,1,1-Trichloroethane	7.622	97	99921	10.169	ug/l	99
36) 1,1-Dichloropropene	7.835	75	81603	9.830	ug/l	99
37) Ethyl Acetate	6.994	43	33831	8.664	ug/l	96
38) Carbon Tetrachloride	7.817	117	89626	9.836	ug/l	98
39) Methylcyclohexane	9.109	83	104498	9.531	ug/l	95
40) Benzene	8.085	78	253670	9.930	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	16500	8.268	ug/l	95
42) 1,2-Dichloroethane	8.158	62	64652	9.817	ug/l	100
43) Isopropyl Acetate	8.201	43	64769	8.876	ug/l #	89
44) Trichloroethene	8.866	130	63449	9.680	ug/l	92
45) 1,2-Dichloropropane	9.140	63	59454	9.871	ug/l	99
46) Dibromomethane	9.231	93	30950	9.470	ug/l	98
47) Bromodichloromethane	9.420	83	84139	9.851	ug/l	94
48) Methyl methacrylate	9.219	41	29866	8.693	ug/l	97
49) 1,4-Dioxane	9.231	88	6498	177.403	ug/l #	92
51) 4-Methyl-2-Pentanone	10.000	43	169218	44.052	ug/l	97
52) Toluene	10.170	92	151848	9.588	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	72089	9.214	ug/l	94
54) cis-1,3-Dichloropropene	9.859	75	89325	9.537	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	41995	9.592	ug/l	92
56) Ethyl methacrylate	10.438	69	48259	8.395	ug/l	98
57) 1,3-Dichloropropane	10.713	76	70951	9.290	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	113907	41.247	ug/l	99
59) 2-Hexanone	10.762	43	123369	43.431	ug/l	99
60) Dibromochloromethane	10.908	129	56287	9.581	ug/l	96
61) 1,2-Dibromoethane	11.012	107	37878	9.321	ug/l	99
64) Tetrachloroethene	10.646	164	70797	9.598	ug/l	98
65) Chlorobenzene	11.438	112	169636	9.939	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	57403	9.900	ug/l	99
67) Ethyl Benzene	11.518	91	278266	9.545	ug/l	99
68) m/p-Xylenes	11.627	106	216036	19.231	ug/l	99
69) o-Xylene	11.950	106	99916	9.487	ug/l	97
70) Styrene	11.969	104	162814	9.385	ug/l	99
71) Bromoform	12.133	173	32473	9.601	ug/l #	97
73) Isopropylbenzene	12.255	105	258446	9.668	ug/l	100
74) N-amyl acetate	12.066	43	51482	8.620	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	43159	9.806	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	31717m	9.720	ug/l	
77) Bromobenzene	12.530	156	60506	9.623	ug/l	97
78) n-propylbenzene	12.591	91	314184	9.762	ug/l	99
79) 2-Chlorotoluene	12.676	91	181905	9.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.731	105	213425	9.780	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	14733	9.507	ug/l	97
82) 4-Chlorotoluene	12.773	91	188018	9.883	ug/l	98
83) tert-Butylbenzene	12.993	119	184010	9.386	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	212245	9.731	ug/l	100
85) sec-Butylbenzene	13.170	105	278180	9.612	ug/l	100
86) p-Isopropyltoluene	13.292	119	232309	9.604	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	126076	10.004	ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	126441	10.052	ug/l	97
89) n-Butylbenzene	13.615	91	206209	9.297	ug/l	100
90) Hexachloroethane	13.877	117	51040	10.043	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	108408	9.837	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	7052	9.572	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	58552	8.911	ug/l	100
94) Hexachlorobutadiene	15.023	225	40570	9.915	ug/l	99
95) Naphthalene	15.139	128	88132	7.953	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	49571	8.858	ug/l	99

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

