

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022492.D
 Acq On : 02 Jun 2025 12:09
 Operator : SY/MD
 Sample : VSTDICC010
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/03/2025
 Supervised By :Mahesh Dadoda 06/03/2025

Quant Time: Jun 03 02:54:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 02:50:07 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	211235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	366386	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	302825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	137338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	24246	10.549	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	21.100%#		
35) Dibromofluoromethane	7.646	113	20743	9.617	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	19.240%#		
50) Toluene-d8	10.109	98	86561	9.930	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	19.860%#		
62) 4-Bromofluorobenzene	12.408	95	24870	9.409	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	18.820%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	22911	12.412	ug/l	99
3) Chloromethane	2.068	50	67191	12.339	ug/l	99
4) Vinyl Chloride	2.202	62	76656	12.027	ug/l	97
5) Bromomethane	2.598	94	73289	12.157	ug/l	99
6) Chloroethane	2.739	64	53992	12.374	ug/l	99
7) Trichlorofluoromethane	3.056	101	63044	11.642	ug/l	97
8) Diethyl Ether	3.458	74	14144	11.826	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.824	101	25997	11.445	ug/l	99
10) Methyl Iodide	4.007	142	25590	10.505	ug/l	99
11) Tert butyl alcohol	4.891	59	9732	59.275	ug/l #	73
12) 1,1-Dichloroethene	3.799	96	24370	11.240	ug/l	99
13) Acrolein	3.671	56	9650	48.151	ug/l	94
14) Allyl chloride	4.391	41	38482	11.389	ug/l	95
15) Acrylonitrile	5.073	53	29150	57.299	ug/l	99
16) Acetone	3.885	43	25066	55.166	ug/l	98
17) Carbon Disulfide	4.110	76	79008	11.413	ug/l	99
18) Methyl Acetate	4.397	43	17228	12.603	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	68336	11.296	ug/l	95
20) Methylene Chloride	4.622	84	29569	11.655	ug/l	96
21) trans-1,2-Dichloroethene	5.128	96	27493	11.350	ug/l	88
22) Diisopropyl ether	6.031	45	83814	11.156	ug/l	96
23) Vinyl Acetate	5.970	43	241364	54.152	ug/l	99
24) 1,1-Dichloroethane	5.927	63	50391	11.346	ug/l	96
25) 2-Butanone	6.909	43	36756	54.840	ug/l	95
26) 2,2-Dichloropropane	6.890	77	43605	11.045	ug/l	99
27) cis-1,2-Dichloroethene	6.902	96	30873	11.028	ug/l	99
28) Bromochloromethane	7.256	49	20132	10.491	ug/l	99
29) Tetrahydrofuran	7.274	42	25001	57.822	ug/l	97
30) Chloroform	7.427	83	49990	11.391	ug/l	89
31) Cyclohexane	7.707	56	51050	11.422	ug/l #	95
32) 1,1,1-Trichloroethane	7.628	97	43454	11.080	ug/l	97
36) 1,1-Dichloropropene	7.841	75	37532	10.765	ug/l	99
37) Ethyl Acetate	6.994	43	15914	10.371	ug/l #	93
38) Carbon Tetrachloride	7.829	117	37794	10.515	ug/l	100
39) Methylcyclohexane	9.115	83	49413	10.491	ug/l	97
40) Benzene	8.085	78	108934	10.600	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	9043m	9.151	ug/l	
42) 1,2-Dichloroethane	8.164	62	31102	11.125	ug/l	99
43) Isopropyl Acetate	8.201	43	36411	10.859	ug/l	97
44) Trichloroethene	8.865	130	28431	11.325	ug/l	91
45) 1,2-Dichloropropane	9.146	63	26665	10.884	ug/l	97
46) Dibromomethane	9.237	93	14601m	10.637	ug/l	
47) Bromodichloromethane	9.426	83	38475	11.048	ug/l	96
48) Methyl methacrylate	9.225	41	16122	10.501	ug/l	98
49) 1,4-Dioxane	9.243	88	3535	215.881	ug/l	97
51) 4-Methyl-2-Pentanone	9.999	43	88634	53.259	ug/l	100
52) Toluene	10.176	92	68265	10.565	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	34307	10.649	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	40229	10.649	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	18848	10.904	ug/l	94
56) Ethyl methacrylate	10.444	69	26171	10.426	ug/l	97
57) 1,3-Dichloropropane	10.719	76	33836	10.991	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	52396	46.819	ug/l	99
59) 2-Hexanone	10.761	43	57738	52.045	ug/l	100
60) Dibromochloromethane	10.914	129	23423	10.694	ug/l	99
61) 1,2-Dibromoethane	11.018	107	17302	10.847	ug/l	96
64) Tetrachloroethene	10.652	164	28680	11.144	ug/l	97
65) Chlorobenzene	11.444	112	70845	10.789	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	23209	10.427	ug/l	96
67) Ethyl Benzene	11.524	91	126556	10.350	ug/l	100
68) m/p-Xylenes	11.633	106	94535	20.427	ug/l	99
69) o-Xylene	11.956	106	45374	10.476	ug/l	99
70) Styrene	11.975	104	72373	10.092	ug/l	98
71) Bromoform	12.133	173	12637	10.804	ug/l #	99
73) Isopropylbenzene	12.255	105	118344	10.695	ug/l	99
74) N-amyl acetate	12.072	43	29609	10.581	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	20264	11.276	ug/l	96
76) 1,2,3-Trichloropropane	12.560	75	16751m	9.239	ug/l	
77) Bromobenzene	12.536	156	25392	10.827	ug/l	98
78) n-propylbenzene	12.597	91	143414	10.648	ug/l	100
79) 2-Chlorotoluene	12.682	91	75325	10.591	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	91121	10.532	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	7009	11.084	ug/l	96
82) 4-Chlorotoluene	12.779	91	78689	10.676	ug/l	100
83) tert-Butylbenzene	12.999	119	81823	10.367	ug/l	97
84) 1,2,4-Trimethylbenzene	13.048	105	90848	10.495	ug/l	98
85) sec-Butylbenzene	13.176	105	127776	10.678	ug/l	100
86) p-Isopropyltoluene	13.291	119	99940	10.158	ug/l	99
87) 1,3-Dichlorobenzene	13.291	146	48971	10.437	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	49834	10.900	ug/l	98
89) n-Butylbenzene	13.621	91	97544	10.413	ug/l	99
90) Hexachloroethane	13.877	117	20466	10.631	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	43460	10.781	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	3014	11.095	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	23710	10.760	ug/l	98
94) Hexachlorobutadiene	15.023	225	13179	10.951	ug/l	99
95) Naphthalene	15.145	128	44061	10.434	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	19814	10.581	ug/l	96

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

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