

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060425\
 Data File : VY022558.D
 Acq On : 04 Jun 2025 18:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/05/2025
 Supervised By :Semsettin Yesilyurt 06/05/2025

Quant Time: Jun 05 04:19:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	158975	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	279339	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	241183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	117017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	97678	54.936	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.880%			
35) Dibromofluoromethane	7.628	113	88214	52.908	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.820%			
50) Toluene-d8	10.103	98	356674	52.942	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.880%			
62) 4-Bromofluorobenzene	12.401	95	106676	53.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.280%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.860	85	64262	45.150	ug/l	96
3) Chloromethane	2.062	50	204761	48.697	ug/l	97
4) Vinyl Chloride	2.196	62	303078	62.133	ug/l	99
5) Bromomethane	2.586	94	229885	49.170	ug/l	99
6) Chloroethane	2.726	64	214335	64.017	ug/l	94
7) Trichlorofluoromethane	3.037	101	270754	65.384	ug/l	96
8) Diethyl Ether	3.446	74	49448	53.024	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.805	101	86293	49.478	ug/l	99
10) Methyl Iodide	3.994	142	93547	49.564	ug/l	98
11) Tert butyl alcohol	4.860	59	35904	282.722	ug/l	98
12) 1,1-Dichloroethene	3.781	96	85513	51.294	ug/l	99
13) Acrolein	3.647	56	28858	182.337	ug/l	98
14) Allyl chloride	4.372	41	130279	49.779	ug/l	99
15) Acrylonitrile	5.055	53	105560	267.271	ug/l	98
16) Acetone	3.866	43	82969	229.770	ug/l	98
17) Carbon Disulfide	4.092	76	263130	49.300	ug/l	99
18) Methyl Acetate	4.372	43	62557	58.503	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	250199	53.284	ug/l	96
20) Methylene Chloride	4.604	84	105903	51.631	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	97122	52.053	ug/l	98
22) Diisopropyl ether	6.012	45	300883	51.649	ug/l	99
23) Vinyl Acetate	5.951	43	871622	252.793	ug/l	98
24) 1,1-Dichloroethane	5.902	63	184232	53.682	ug/l	98
25) 2-Butanone	6.890	43	135777	260.679	ug/l	99
26) 2,2-Dichloropropane	6.878	77	141311	46.602	ug/l	98
27) cis-1,2-Dichloroethene	6.878	96	116694	54.110	ug/l	98
28) Bromochloromethane	7.244	49	78475	52.457	ug/l	99
29) Tetrahydrofuran	7.256	42	89675	266.938	ug/l	98
30) Chloroform	7.414	83	184229	54.197	ug/l	96
31) Cyclohexane	7.695	56	153633	44.966	ug/l	94
32) 1,1,1-Trichloroethane	7.609	97	158210	52.430	ug/l	98
36) 1,1-Dichloropropene	7.829	75	131957	48.764	ug/l	99
37) Ethyl Acetate	6.981	43	62653	51.918	ug/l	99
38) Carbon Tetrachloride	7.811	117	139655	50.308	ug/l	98
39) Methylcyclohexane	9.103	83	169236	46.538	ug/l	99
40) Benzene	8.073	78	415520	51.988	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	35851	50.861	ug/l	95
42) 1,2-Dichloroethane	8.152	62	113747	52.122	ug/l	98
43) Isopropyl Acetate	8.189	43	131836	50.584	ug/l	98
44) Trichloroethene	8.859	130	101510	51.965	ug/l	100
45) 1,2-Dichloropropane	9.134	63	98484	52.138	ug/l	100
46) Dibromomethane	9.225	93	55722	52.435	ug/l	99
47) Bromodichloromethane	9.420	83	143092	53.104	ug/l	100
48) Methyl methacrylate	9.219	41	62422	51.031	ug/l	97
49) 1,4-Dioxane	9.225	88	14089	1119.098	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	345728	266.064	ug/l	98
52) Toluene	10.164	92	258488	51.463	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	127607	50.543	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	151332	51.492	ug/l	99
55) 1,1,2-Trichloroethane	10.566	97	71776	52.969	ug/l	97
56) Ethyl methacrylate	10.432	69	102997	52.590	ug/l	98
57) 1,3-Dichloropropane	10.713	76	126176	52.536	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.707	63	257776	289.897	ug/l	99
59) 2-Hexanone	10.755	43	228523	262.961	ug/l	98
60) Dibromochloromethane	10.908	129	90321	52.450	ug/l	100
61) 1,2-Dibromoethane	11.011	107	64676	52.367	ug/l	100
64) Tetrachloroethene	10.639	164	112231	54.095	ug/l	98
65) Chlorobenzene	11.438	112	273840	51.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	92982	51.716	ug/l	99
67) Ethyl Benzene	11.511	91	497662	50.273	ug/l	98
68) m/p-Xylenes	11.621	106	381964	101.785	ug/l	99
69) o-Xylene	11.950	106	181475	51.579	ug/l	98
70) Styrene	11.962	104	303598	52.202	ug/l	99
71) Bromoform	12.127	173	47700	49.856	ug/l #	99
73) Isopropylbenzene	12.249	105	460236	47.906	ug/l	100
74) N-amyl acetate	12.066	43	119656	49.362	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.499	83	74374	47.169	ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	72203m	53.934	ug/l	
77) Bromobenzene	12.529	156	98831	48.749	ug/l	98
78) n-propylbenzene	12.590	91	567578	48.370	ug/l	100
79) 2-Chlorotoluene	12.676	91	302924	48.709	ug/l	99
80) 1,3,5-Trimethylbenzene	12.730	105	366396	48.578	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	25050	45.188	ug/l	98
82) 4-Chlorotoluene	12.773	91	313697	48.896	ug/l	98
83) tert-Butylbenzene	12.993	119	325223	48.043	ug/l	100
84) 1,2,4-Trimethylbenzene	13.035	105	368202	48.809	ug/l	100
85) sec-Butylbenzene	13.169	105	497048	47.942	ug/l	100
86) p-Isopropyltoluene	13.285	119	420614	49.219	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	201664	49.096	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	193992	48.693	ug/l	99
89) n-Butylbenzene	13.614	91	393655	48.552	ug/l	99
90) Hexachloroethane	13.877	117	82819	49.779	ug/l	96
91) 1,2-Dichlorobenzene	13.651	146	174050	49.907	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11977	52.172	ug/l	98
93) 1,2,4-Trichlorobenzene	14.913	180	95213	50.058	ug/l	99
94) Hexachlorobutadiene	15.017	225	50387	47.997	ug/l	98
95) Naphthalene	15.139	128	193189	52.928	ug/l	99
96) 1,2,3-Trichlorobenzene	15.321	180	82251	50.459	ug/l	99

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

