

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022489.D
 Acq On : 02 Jun 2025 09:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jun 03 04:14:22 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	7.719	168	239883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	398865	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	338073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	158313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	127694	47.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.180%		
35) Dibromofluoromethane	7.646	113	116431	48.905	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	97.820%		
50) Toluene-d8	10.115	98	471822	49.047	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	98.100%		
62) 4-Bromofluorobenzene	12.414	95	139736	48.753	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	97.500%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	101197	47.120	ug/l	100
3) Chloromethane	2.074	50	257805	40.633	ug/l	98
4) Vinyl Chloride	2.208	62	334561	45.454	ug/l	100
5) Bromomethane	2.605	94	257783	36.541	ug/l	100
6) Chloroethane	2.745	64	224362	44.410	ug/l	95
7) Trichlorofluoromethane	3.062	101	288301	46.139	ug/l	98
8) Diethyl Ether	3.464	74	66183	47.032	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.830	101	123353	46.872	ug/l	99
10) Methyl Iodide	4.019	142	136816	48.040	ug/l	98
11) Tert butyl alcohol	4.878	59	45354	236.680	ug/l	98
12) 1,1-Dichloroethene	3.793	96	120686	47.976	ug/l	95
13) Acrolein	3.659	56	42627	178.494	ug/l	100
14) Allyl chloride	4.391	41	188435	47.716	ug/l	99
15) Acrylonitrile	5.074	53	140779	236.221	ug/l	99
16) Acetone	3.879	43	137399	252.168	ug/l	98
17) Carbon Disulfide	4.116	76	377850	46.916	ug/l	98
18) Methyl Acetate	4.391	43	80934	50.160	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	327575	46.233	ug/l	99
20) Methylene Chloride	4.629	84	128567	41.540	ug/l	97
21) trans-1,2-Dichloroethene	5.128	96	129323	45.934	ug/l	99
22) Diisopropyl ether	6.031	45	410891	46.744	ug/l	98
23) Vinyl Acetate	5.970	43	1208090	232.202	ug/l	99
24) 1,1-Dichloroethane	5.927	63	245300	47.369	ug/l	99
25) 2-Butanone	6.903	43	190958	242.967	ug/l	98
26) 2,2-Dichloropropane	6.896	77	221323	48.371	ug/l	100
27) cis-1,2-Dichloroethene	6.903	96	151768	46.638	ug/l	96
28) Bromochloromethane	7.250	49	95171	42.160	ug/l	99
29) Tetrahydrofuran	7.268	42	116760	230.337	ug/l	99
30) Chloroform	7.433	83	240421	46.872	ug/l	98
31) Cyclohexane	7.713	56	226221	43.880	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	216934	47.643	ug/l	99
36) 1,1-Dichloropropene	7.841	75	184072	47.638	ug/l	100
37) Ethyl Acetate	6.988	43	83193	48.280	ug/l	100
38) Carbon Tetrachloride	7.829	117	191054	48.199	ug/l	97
39) Methylcyclohexane	9.116	83	244905	47.164	ug/l	99
40) Benzene	8.091	78	540061	47.322	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	45690	45.395	ug/l	99
42) 1,2-Dichloroethane	8.165	62	146038	46.865	ug/l	98
43) Isopropyl Acetate	8.201	43	177056	47.577	ug/l	99
44) Trichloroethene	8.872	130	131482	47.138	ug/l	97
45) 1,2-Dichloropropane	9.146	63	128265	47.556	ug/l	99
46) Dibromomethane	9.237	93	71283	46.977	ug/l	99
47) Bromodichloromethane	9.433	83	185331	48.169	ug/l	96
48) Methyl methacrylate	9.231	41	81724	46.790	ug/l	99
49) 1,4-Dioxane	9.244	88	16285	905.902	ug/l	96
51) 4-Methyl-2-Pentanone	10.006	43	445363	240.033	ug/l	99
52) Toluene	10.176	92	338314	47.172	ug/l	100
53) t-1,3-Dichloropropene	10.402	75	174903	48.517	ug/l	96
54) cis-1,3-Dichloropropene	9.865	75	201357	47.982	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	90374	46.708	ug/l	97
56) Ethyl methacrylate	10.445	69	133107	47.597	ug/l	96
57) 1,3-Dichloropropane	10.725	76	162919	47.507	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	306651	241.519	ug/l	99
59) 2-Hexanone	10.768	43	300215	241.935	ug/l	100
60) Dibromochloromethane	10.920	129	117769	47.896	ug/l	99
61) 1,2-Dibromoethane	11.024	107	84476	47.902	ug/l	96
64) Tetrachloroethene	10.652	164	141895	48.792	ug/l	96
65) Chlorobenzene	11.451	112	351646	47.004	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	120924	47.982	ug/l	99
67) Ethyl Benzene	11.524	91	654682	47.181	ug/l	98
68) m/p-Xylenes	11.633	106	495169	94.135	ug/l	98
69) o-Xylene	11.963	106	228963	46.426	ug/l	97
70) Styrene	11.975	104	384153	47.123	ug/l	99
71) Bromoform	12.139	173	63916	47.659	ug/l #	99
73) Isopropylbenzene	12.261	105	611476	47.046	ug/l	99
74) N-amyl acetate	12.078	43	157198	47.933	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	97777	45.836	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	75098m	41.464	ug/l	
77) Bromobenzene	12.536	156	128216	46.747	ug/l	100
78) n-propylbenzene	12.603	91	745737	46.976	ug/l	99
79) 2-Chlorotoluene	12.682	91	395748	47.036	ug/l	100
80) 1,3,5-Trimethylbenzene	12.743	105	484318	47.463	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.310	75	36858	49.145	ug/l	94
82) 4-Chlorotoluene	12.780	91	405739	46.746	ug/l	99
83) tert-Butylbenzene	13.005	119	442140	48.277	ug/l	100
84) 1,2,4-Trimethylbenzene	13.048	105	479856	47.018	ug/l	100
85) sec-Butylbenzene	13.182	105	660970	47.123	ug/l	100
86) p-Isopropyltoluene	13.298	119	547441	47.349	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	261453	47.048	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	249136	46.223	ug/l	100
89) n-Butylbenzene	13.621	91	534563	48.733	ug/l	99
90) Hexachloroethane	13.883	117	107199	47.626	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	217275	46.050	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15091	48.589	ug/l	96
93) 1,2,4-Trichlorobenzene	14.925	180	123838	48.125	ug/l	97
94) Hexachlorobutadiene	15.029	225	67466	47.502	ug/l	98
95) Naphthalene	15.151	128	235105	47.610	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	105101	47.658	ug/l	99

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

