

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060225\
 Data File : VY022509.D
 Acq On : 02 Jun 2025 19:54
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Jun 03 04:11:06 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	7.713	168	187782	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	318591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	278485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	136139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	105828	50.389	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.780%			
35) Dibromofluoromethane	7.634	113	92932	48.870	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.740%			
50) Toluene-d8	10.109	98	376768	49.035	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.060%			
62) 4-Bromofluorobenzene	12.407	95	111975	48.911	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.820%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	68441	40.709	ug/l	100
3) Chloromethane	2.068	50	234360	47.186	ug/l	99
4) Vinyl Chloride	2.202	62	279979	48.592	ug/l	97
5) Bromomethane	2.598	94	222447	40.280	ug/l	99
6) Chloroethane	2.732	64	183951	46.514	ug/l	94
7) Trichlorofluoromethane	3.055	101	228312	46.677	ug/l	96
8) Diethyl Ether	3.458	74	54534	49.507	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.817	101	91466	44.399	ug/l	99
10) Methyl Iodide	4.006	142	105842	47.475	ug/l	99
11) Tert butyl alcohol	4.872	59	38347	255.636	ug/l	97
12) 1,1-Dichloroethene	3.793	96	90136	45.773	ug/l	97
13) Acrolein	3.653	56	43472	232.538	ug/l	99
14) Allyl chloride	4.384	41	142137	45.978	ug/l	98
15) Acrylonitrile	5.061	53	120565	258.433	ug/l	98
16) Acetone	3.878	43	87944	206.186	ug/l	100
17) Carbon Disulfide	4.110	76	290024	46.003	ug/l	100
18) Methyl Acetate	4.391	43	71857	56.891	ug/l	98
19) Methyl tert-butyl Ether	5.122	73	270724	48.810	ug/l	99
20) Methylene Chloride	4.616	84	111970	46.215	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	101815	46.197	ug/l	96
22) Diisopropyl ether	6.018	45	325054	47.239	ug/l	98
23) Vinyl Acetate	5.963	43	960261	235.777	ug/l	99
24) 1,1-Dichloroethane	5.915	63	191267	47.183	ug/l	99
25) 2-Butanone	6.896	43	150868	245.217	ug/l	99
26) 2,2-Dichloropropane	6.890	77	153775	42.933	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	122361	48.034	ug/l	98
28) Bromochloromethane	7.250	49	87662	49.608	ug/l	99
29) Tetrahydrofuran	7.268	42	101723	256.350	ug/l	99
30) Chloroform	7.420	83	194212	48.369	ug/l	94
31) Cyclohexane	7.707	56	169683	42.045	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	167265	46.927	ug/l	99
36) 1,1-Dichloropropene	7.841	75	139714	45.269	ug/l	99
37) Ethyl Acetate	6.988	43	69204	50.281	ug/l	99
38) Carbon Tetrachloride	7.823	117	144374	45.600	ug/l	98
39) Methylcyclohexane	9.109	83	184695	44.531	ug/l	96
40) Benzene	8.085	78	435096	47.731	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.225	41	38913	48.403	ug/l	97
42) 1,2-Dichloroethane	8.164	62	122483	49.210	ug/l	99
43) Isopropyl Acetate	8.201	43	147544	49.636	ug/l #	89
44) Trichloroethene	8.865	130	105484	47.347	ug/l	99
45) 1,2-Dichloropropane	9.146	63	104997	48.737	ug/l	98
46) Dibromomethane	9.231	93	59691	49.250	ug/l	99
47) Bromodichloromethane	9.426	83	148757	48.405	ug/l	100
48) Methyl methacrylate	9.225	41	68753	49.282	ug/l	97
49) 1,4-Dioxane	9.237	88	14698	1023.633	ug/l	98
51) 4-Methyl-2-Pentanone	9.999	43	384770	259.628	ug/l	98
52) Toluene	10.170	92	273282	47.705	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	139162	48.329	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	159750	47.659	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	75295	48.720	ug/l	98
56) Ethyl methacrylate	10.438	69	111150	49.760	ug/l	99
57) 1,3-Dichloropropane	10.719	76	136855	49.962	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	266551	262.833	ug/l	100
59) 2-Hexanone	10.761	43	254773	257.047	ug/l	99
60) Dibromochloromethane	10.914	129	97421	49.603	ug/l	99
61) 1,2-Dibromoethane	11.017	107	70978	50.389	ug/l	98
64) Tetrachloroethene	10.652	164	112448	46.940	ug/l	96
65) Chlorobenzene	11.444	112	285686	46.359	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	97551	46.990	ug/l	99
67) Ethyl Benzene	11.517	91	522290	45.694	ug/l	100
68) m/p-Xylenes	11.627	106	398984	92.079	ug/l	100
69) o-Xylene	11.956	106	186828	45.988	ug/l	99
70) Styrene	11.968	104	316725	47.165	ug/l	99
71) Bromoform	12.133	173	53532	48.457	ug/l #	99
73) Isopropylbenzene	12.255	105	482324	43.153	ug/l	100
74) N-amyl acetate	12.072	43	127212	45.108	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	84494	46.060	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	65822m	42.262	ug/l	
77) Bromobenzene	12.535	156	103584	43.917	ug/l	96
78) n-propylbenzene	12.596	91	583200	42.721	ug/l	98
79) 2-Chlorotoluene	12.682	91	313013	43.262	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	383918	43.752	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	29121	45.153	ug/l	97
82) 4-Chlorotoluene	12.779	91	324302	43.449	ug/l	98
83) tert-Butylbenzene	12.999	119	340622	43.250	ug/l	100
84) 1,2,4-Trimethylbenzene	13.041	105	386162	44.000	ug/l	99
85) sec-Butylbenzene	13.176	105	518518	42.988	ug/l	100
86) p-Isopropyltoluene	13.291	119	428642	43.113	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	208701	43.673	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	204115	44.038	ug/l	99
89) n-Butylbenzene	13.615	91	408064	43.260	ug/l	100
90) Hexachloroethane	13.877	117	85982	44.422	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	181653	44.771	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12673	47.450	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	97102	43.881	ug/l	98
94) Hexachlorobutadiene	15.023	225	53313	43.651	ug/l	98
95) Naphthalene	15.145	128	201425	47.433	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	84274	44.438	ug/l	98

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

