

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022044.D
 Acq On : 28 Apr 2025 20:09
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/29/2025
 Supervised By : Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:56:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	289101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	445494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	415349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	224902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	127282	47.665	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.320%		
35) Dibromofluoromethane	7.634	113	146442	49.757	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.520%		
50) Toluene-d8	10.109	98	567537	51.149	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	102.300%		
62) 4-Bromofluorobenzene	12.408	95	192923	51.649	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	103.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	110521	44.865	ug/l	98
3) Chloromethane	2.062	50	165151	47.083	ug/l	98
4) Vinyl Chloride	2.202	62	205542	47.685	ug/l	99
5) Bromomethane	2.592	94	163104	43.921	ug/l	98
6) Chloroethane	2.733	64	142722	48.618	ug/l	99
7) Trichlorofluoromethane	3.056	101	270367	47.567	ug/l	97
8) Diethyl Ether	3.458	74	67390	45.552	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	145377	47.149	ug/l	100
10) Methyl Iodide	4.001	142	181967	50.973	ug/l	98
11) Tert butyl alcohol	4.879	59	30279	206.540	ug/l #	70
12) 1,1-Dichloroethene	3.787	96	138511	48.195	ug/l	99
13) Acrolein	3.653	56	32956	125.250	ug/l	97
14) Allyl chloride	4.385	41	158300	47.304	ug/l	100
15) Acrylonitrile	5.061	53	122557	226.290	ug/l	98
16) Acetone	3.879	43	79616	225.704	ug/l	95
17) Carbon Disulfide	4.104	76	430194	46.946	ug/l	99
18) Methyl Acetate	4.385	43	75676	60.667	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	303301	47.151	ug/l	98
20) Methylene Chloride	4.616	84	157224	46.562	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	157871	49.049	ug/l	98
22) Diisopropyl ether	6.019	45	368624	49.499	ug/l	98
23) Vinyl Acetate	5.958	43	886585	220.901	ug/l	98
24) 1,1-Dichloroethane	5.915	63	249603	48.354	ug/l	99
25) 2-Butanone	6.896	43	130775	214.843	ug/l	96
26) 2,2-Dichloropropane	6.884	77	209014	46.198	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	178688	49.650	ug/l	99
28) Bromochloromethane	7.244	49	96297	48.028	ug/l	96
29) Tetrahydrofuran	7.262	42	89736	226.985	ug/l	98
30) Chloroform	7.421	83	285174	49.805	ug/l	98
31) Cyclohexane	7.701	56	206826	46.854	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	253605	48.956	ug/l	99
36) 1,1-Dichloropropene	7.835	75	196618	49.733	ug/l	100
37) Ethyl Acetate	6.982	43	60344	42.499	ug/l	98
38) Carbon Tetrachloride	7.817	117	235777	49.909	ug/l	99
39) Methylcyclohexane	9.110	83	248179	49.883	ug/l	100
40) Benzene	8.079	78	621146	50.261	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	37403	48.188	ug/l #	94
42) 1,2-Dichloroethane	8.158	62	145912	47.687	ug/l	100
43) Isopropyl Acetate	8.201	43	121597	44.593	ug/l	98
44) Trichloroethene	8.866	130	168787	49.308	ug/l	98
45) 1,2-Dichloropropane	9.140	63	133437	48.825	ug/l	99
46) Dibromomethane	9.231	93	82575	48.266	ug/l	99
47) Bromodichloromethane	9.420	83	214069	50.087	ug/l	99
48) Methyl methacrylate	9.219	41	58715	46.579	ug/l	95
49) 1,4-Dioxane	9.231	88	17325	950.114	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	337829	236.341	ug/l	100
52) Toluene	10.170	92	409873	51.236	ug/l	99
53) t-1,3-Dichloropropene	10.390	75	177042	48.294	ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	214843	49.301	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	111933	48.980	ug/l	98
56) Ethyl methacrylate	10.439	69	128496	49.169	ug/l	99
57) 1,3-Dichloropropane	10.719	76	178540	48.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	323283	253.010	ug/l	99
59) 2-Hexanone	10.762	43	221410	234.839	ug/l	99
60) Dibromochloromethane	10.908	129	156616	49.500	ug/l	100
61) 1,2-Dibromoethane	11.018	107	104917	48.630	ug/l	99
64) Tetrachloroethene	10.646	164	194574	49.658	ug/l	98
65) Chlorobenzene	11.444	112	451499	48.610	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	162874	49.809	ug/l	99
67) Ethyl Benzene	11.518	91	769389	50.637	ug/l	100
68) m/p-Xylenes	11.627	106	618613	102.316	ug/l	100
69) o-Xylene	11.957	106	285095	51.160	ug/l	99
70) Styrene	11.969	104	491426	52.522	ug/l	100
71) Bromoform	12.133	173	90241	47.467	ug/l #	100
73) Isopropylbenzene	12.255	105	742285	49.401	ug/l	99
74) N-amyl acetate	12.072	43	111370	43.140	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	113473	44.792	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	84372m	43.798	ug/l	
77) Bromobenzene	12.530	156	183859	48.425	ug/l	99
78) n-propylbenzene	12.597	91	890155	49.746	ug/l	100
79) 2-Chlorotoluene	12.682	91	508345	48.849	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	625706	50.540	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	34779	43.477	ug/l	98
82) 4-Chlorotoluene	12.780	91	528622	48.866	ug/l	100
83) tert-Butylbenzene	12.999	119	555795	50.056	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	620633	50.118	ug/l	100
85) sec-Butylbenzene	13.176	105	809379	49.815	ug/l	100
86) p-Isopropyltoluene	13.292	119	694644	50.348	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	370206	48.007	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	360030	47.140	ug/l	99
89) n-Butylbenzene	13.615	91	597617	48.461	ug/l	100
90) Hexachloroethane	13.877	117	144406	47.639	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	321391	47.784	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	16729	41.507	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	176950	46.427	ug/l	100
94) Hexachlorobutadiene	15.023	225	106547	45.436	ug/l	100
95) Naphthalene	15.145	128	282549	44.627	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	150542	45.757	ug/l	98

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

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