

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042825\
 Data File : VY022021.D
 Acq On : 28 Apr 2025 09:59
 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 04/29/2025
 Supervised By : Mahesh Dadoda 04/29/2025

Quant Time: Apr 29 03:51:56 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	316866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	463292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	436582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	238558	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	133766	45.703	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.400%		
35) Dibromofluoromethane	7.634	113	150892	49.299	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	98.600%		
50) Toluene-d8	10.109	98	576275	49.941	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	99.880%		
62) 4-Bromofluorobenzene	12.408	95	195343	50.288	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	100.580%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	116076	42.991	ug/l	98
3) Chloromethane	2.068	50	173631	45.163	ug/l	99
4) Vinyl Chloride	2.202	62	214876	45.482	ug/l	99
5) Bromomethane	2.592	94	170113	41.794	ug/l	98
6) Chloroethane	2.733	64	146584	45.558	ug/l	100
7) Trichlorofluoromethane	3.056	101	282306	45.316	ug/l	96
8) Diethyl Ether	3.452	74	70779	43.651	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	151333	44.780	ug/l	100
10) Methyl Iodide	4.007	142	183769	46.967	ug/l	99
11) Tert butyl alcohol	4.866	59	35986	223.960	ug/l #	93
12) 1,1-Dichloroethene	3.787	96	140007	44.447	ug/l	95
13) Acrolein	3.653	56	39920	138.423	ug/l	96
14) Allyl chloride	4.385	41	163390	44.547	ug/l	99
15) Acrylonitrile	5.061	53	136206	229.455	ug/l	99
16) Acetone	3.873	43	91801	238.658	ug/l	94
17) Carbon Disulfide	4.104	76	452882	45.091	ug/l	99
18) Methyl Acetate	4.391	43	75409	55.156	ug/l	100
19) Methyl tert-butyl Ether	5.116	73	328254	46.559	ug/l	98
20) Methylene Chloride	4.616	84	156196	42.205	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	162653	46.106	ug/l	99
22) Diisopropyl ether	6.019	45	385976	47.287	ug/l	98
23) Vinyl Acetate	5.964	43	1009046	229.383	ug/l	100
24) 1,1-Dichloroethane	5.915	63	257272	45.472	ug/l #	97
25) 2-Butanone	6.896	43	151911	227.698	ug/l	96
26) 2,2-Dichloropropane	6.884	77	226836	45.744	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	181037	45.895	ug/l	100
28) Bromochloromethane	7.244	49	102834	46.794	ug/l	99
29) Tetrahydrofuran	7.268	42	105859	244.304	ug/l	100
30) Chloroform	7.421	83	292396	46.592	ug/l	98
31) Cyclohexane	7.701	56	211764	43.769	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	262924	46.308	ug/l	99
36) 1,1-Dichloropropene	7.835	75	202515	49.257	ug/l	100
37) Ethyl Acetate	6.988	43	72715	49.244	ug/l	98
38) Carbon Tetrachloride	7.817	117	246873	50.250	ug/l	98
39) Methylcyclohexane	9.109	83	248104	47.952	ug/l	97
40) Benzene	8.079	78	631630	49.146	ug/l	99

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41) Methacrylonitrile	7.220	41	40961	50.745	ug/l	96
42) 1,2-Dichloroethane	8.158	62	157468	49.487	ug/l	100
43) Isopropyl Acetate	8.201	43	136500	48.136	ug/l	100
44) Trichloroethene	8.866	130	172375	48.422	ug/l	95
45) 1,2-Dichloropropane	9.140	63	139620	49.124	ug/l	100
46) Dibromomethane	9.231	93	88811	49.917	ug/l	98
47) Bromodichloromethane	9.420	83	222855	50.140	ug/l	100
48) Methyl methacrylate	9.225	41	66889	51.025	ug/l	98
49) 1,4-Dioxane	9.237	88	18782	990.448	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	390922	262.978	ug/l	100
52) Toluene	10.170	92	422400	50.774	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	191764	50.300	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	226727	50.030	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	121704	51.210	ug/l	98
56) Ethyl methacrylate	10.438	69	138287	50.883	ug/l	99
57) 1,3-Dichloropropane	10.719	76	191690	50.313	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	364363	274.205	ug/l	99
59) 2-Hexanone	10.762	43	261097	266.294	ug/l	100
60) Dibromochloromethane	10.914	129	169983	51.661	ug/l	100
61) 1,2-Dibromoethane	11.018	107	116441	51.898	ug/l	99
64) Tetrachloroethene	10.646	164	201169	48.844	ug/l	96
65) Chlorobenzene	11.444	112	469987	48.139	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	171117	49.785	ug/l	99
67) Ethyl Benzene	11.518	91	787306	49.296	ug/l	100
68) m/p-Xylenes	11.627	106	644900	101.477	ug/l	98
69) o-Xylene	11.957	106	294379	50.257	ug/l	99
70) Styrene	11.969	104	508377	51.691	ug/l	99
71) Bromoform	12.133	173	102919	51.502	ug/l #	99
73) Isopropylbenzene	12.255	105	770147	48.321	ug/l	99
74) N-amyl acetate	12.072	43	125014	45.653	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	128769	47.921	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	97818m	47.871	ug/l	
77) Bromobenzene	12.530	156	193416	48.026	ug/l	99
78) n-propylbenzene	12.597	91	918990	48.417	ug/l	99
79) 2-Chlorotoluene	12.682	91	522771	47.359	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	649179	49.434	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	39219	46.220	ug/l	97
82) 4-Chlorotoluene	12.780	91	552085	48.113	ug/l	100
83) tert-Butylbenzene	12.999	119	564883	47.962	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	652719	49.692	ug/l	99
85) sec-Butylbenzene	13.176	105	833063	48.338	ug/l	99
86) p-Isopropyltoluene	13.292	119	718809	49.118	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	393855	48.150	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	383054	47.284	ug/l	99
89) n-Butylbenzene	13.621	91	619718	47.376	ug/l	100
90) Hexachloroethane	13.883	117	149402	46.466	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	342527	48.011	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	20568	48.111	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	194321	48.066	ug/l	100
94) Hexachlorobutadiene	15.023	225	119092	47.878	ug/l	98
95) Naphthalene	15.145	128	333693	49.688	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	172423	49.408	ug/l	98

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

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