

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042425\
 Data File : VY021987.D
 Acq On : 24 Apr 2025 08:31
 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 :Mahesh Dadoda 04/25/2025
 Supervised By :Semsettin Yesilyurt 04/25/2025

Quant Time: Apr 25 01:22:12 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	318609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	460067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	427639	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	234232	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	132538	45.036	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.080%
35) Dibromofluoromethane	7.634	113	151102	49.714	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.420%
50) Toluene-d8	10.109	98	585168	51.068	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.140%
62) 4-Bromofluorobenzene	12.408	95	196835	51.027	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.060%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	126846	46.723	ug/l	99
3) Chloromethane	2.068	50	187248	48.439	ug/l	100
4) Vinyl Chloride	2.202	62	228917	48.189	ug/l	94
5) Bromomethane	2.598	94	187581	45.834	ug/l	99
6) Chloroethane	2.739	64	158292	48.928	ug/l	99
7) Trichlorofluoromethane	3.056	101	306376	48.910	ug/l	97
8) Diethyl Ether	3.458	74	71889	44.093	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	164876	48.521	ug/l	100
10) Methyl Iodide	4.007	142	201943	51.329	ug/l	99
11) Tert butyl alcohol	4.885	59	33548	207.644	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	152810	48.246	ug/l	98
13) Acrolein	3.659	56	52551	181.224	ug/l	99
14) Allyl chloride	4.385	41	175799	47.668	ug/l	99
15) Acrylonitrile	5.061	53	138689	232.359	ug/l	98
16) Acetone	3.879	43	97303	252.842	ug/l	97
17) Carbon Disulfide	4.104	76	491843	48.702	ug/l	99
18) Methyl Acetate	4.391	43	64753	47.103	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	336288	47.437	ug/l	98
20) Methylene Chloride	4.610	84	160282	43.072	ug/l	99
21) trans-1,2-Dichloroethene	5.116	96	171622	48.383	ug/l	96
22) Diisopropyl ether	6.019	45	403859	49.208	ug/l	97
23) Vinyl Acetate	5.964	43	1084348	245.153	ug/l	99
24) 1,1-Dichloroethane	5.915	63	270753	47.593	ug/l	98
25) 2-Butanone	6.896	43	155261	231.447	ug/l	99
26) 2,2-Dichloropropane	6.884	77	248204	49.779	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	195154	49.203	ug/l	99
28) Bromochloromethane	7.250	49	102758	46.504	ug/l	99
29) Tetrahydrofuran	7.268	42	102658	235.621	ug/l	97
30) Chloroform	7.421	83	305921	48.480	ug/l	98
31) Cyclohexane	7.707	56	237251	48.768	ug/l	100
32) 1,1,1-Trichloroethane	7.622	97	280010	49.047	ug/l	100
36) 1,1-Dichloropropene	7.835	75	218339	53.478	ug/l	99
37) Ethyl Acetate	6.988	43	72067	49.148	ug/l	98
38) Carbon Tetrachloride	7.817	117	261956	53.694	ug/l	100
39) Methylcyclohexane	9.109	83	283638	55.204	ug/l	99
40) Benzene	8.079	78	667386	52.292	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	37352	46.598	ug/l #	87
42) 1,2-Dichloroethane	8.158	62	164261	51.984	ug/l	100
43) Isopropyl Acetate	8.201	43	139000	49.361	ug/l	98
44) Trichloroethene	8.866	130	184407	52.165	ug/l	98
45) 1,2-Dichloropropane	9.140	63	145856	51.678	ug/l	99
46) Dibromomethane	9.231	93	91368	51.714	ug/l	98
47) Bromodichloromethane	9.426	83	231176	52.377	ug/l	98
48) Methyl methacrylate	9.225	41	68272	52.445	ug/l	97
49) 1,4-Dioxane	9.237	88	18206	966.803	ug/l	98
51) 4-Methyl-2-Pentanone	10.000	43	387936	262.799	ug/l	98
52) Toluene	10.170	92	444957	53.860	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	198098	52.326	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	235517	52.334	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	124262	52.653	ug/l	99
56) Ethyl methacrylate	10.438	69	145250	53.820	ug/l	97
57) 1,3-Dichloropropane	10.719	76	195881	51.773	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	361969	274.313	ug/l	100
59) 2-Hexanone	10.762	43	260807	267.863	ug/l	98
60) Dibromochloromethane	10.914	129	170611	52.216	ug/l	99
61) 1,2-Dibromoethane	11.018	107	114476	51.380	ug/l	99
64) Tetrachloroethene	10.652	164	202921	50.300	ug/l	96
65) Chlorobenzene	11.444	112	493674	51.623	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	175254	52.054	ug/l	99
67) Ethyl Benzene	11.524	91	843791	53.938	ug/l	99
68) m/p-Xylenes	11.633	106	686068	110.212	ug/l	100
69) o-Xylene	11.956	106	313069	54.566	ug/l	99
70) Styrene	11.969	104	527263	54.733	ug/l	100
71) Bromoform	12.133	173	100274	51.228	ug/l #	98
73) Isopropylbenzene	12.255	105	832131	53.174	ug/l	100
74) N-amyl acetate	12.072	43	131481	48.902	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	129743	49.175	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	100932m	50.307	ug/l	
77) Bromobenzene	12.536	156	200432	50.687	ug/l	99
78) n-propylbenzene	12.597	91	998168	53.560	ug/l	100
79) 2-Chlorotoluene	12.682	91	557695	51.456	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	683588	53.016	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	39524	47.440	ug/l	98
82) 4-Chlorotoluene	12.780	91	580145	51.492	ug/l	99
83) tert-Butylbenzene	12.999	119	603505	52.188	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	686558	53.234	ug/l	100
85) sec-Butylbenzene	13.176	105	907786	53.646	ug/l	100
86) p-Isopropyltoluene	13.292	119	776369	54.030	ug/l	99
87) 1,3-Dichlorobenzene	13.292	146	407732	50.767	ug/l	100
88) 1,4-Dichlorobenzene	13.371	146	399676	50.247	ug/l	99
89) n-Butylbenzene	13.621	91	684204	53.272	ug/l	100
90) Hexachloroethane	13.883	117	155655	49.304	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	355814	50.795	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	19581	46.648	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	201463	50.753	ug/l	99
94) Hexachlorobutadiene	15.023	225	125002	51.182	ug/l	97
95) Naphthalene	15.145	128	334069	50.662	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	174397	50.897	ug/l	98

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

