

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072125\
 Data File : VY023015.D
 Acq On : 21 Jul 2025 10:08
 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 :Mahesh Dadoda 07/22/2025
 Supervised By :Semsettin Yesilyurt 07/22/2025

Quant Time: Jul 22 04:45:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071825S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 19 01:50:49 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	466550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	745278	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	646276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	315391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	231681	49.053	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.100%		
35) Dibromofluoromethane	7.634	113	218952	46.314	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	92.620%		
50) Toluene-d8	10.103	98	870592	46.437	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	92.880%		
62) 4-Bromofluorobenzene	12.401	95	278747	47.233	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	163705	41.324	ug/l	99
3) Chloromethane	2.068	50	352290	52.299	ug/l	100
4) Vinyl Chloride	2.202	62	405558	47.523	ug/l	100
5) Bromomethane	2.592	94	303773	49.321	ug/l	99
6) Chloroethane	2.732	64	278231	48.816	ug/l	98
7) Trichlorofluoromethane	3.049	101	472524	47.699	ug/l	100
8) Diethyl Ether	3.452	74	118699	45.781	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.811	101	229719	44.142	ug/l	99
10) Methyl Iodide	4.000	142	228734	42.309	ug/l	98
11) Tert butyl alcohol	4.891	59	78484	274.768	ug/l	99
12) 1,1-Dichloroethene	3.787	96	218813	44.137	ug/l	99
13) Acrolein	3.653	56	16336	121.709	ug/l	98
14) Allyl chloride	4.385	41	349805	46.315	ug/l	99
15) Acrylonitrile	5.055	53	264216	269.039	ug/l	99
16) Acetone	3.879	43	246194	287.564	ug/l	100
17) Carbon Disulfide	4.104	76	659160	43.871	ug/l	99
18) Methyl Acetate	4.385	43	164914	56.897	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	590328	49.645	ug/l	98
20) Methylene Chloride	4.610	84	273604	44.522	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	249633	45.236	ug/l	99
22) Diisopropyl ether	6.018	45	773708	48.287	ug/l	99
23) Vinyl Acetate	5.957	43	2112837	261.701	ug/l	99
24) 1,1-Dichloroethane	5.915	63	462627	45.968	ug/l	99
25) 2-Butanone	6.896	43	351847	286.473	ug/l	100
26) 2,2-Dichloropropane	6.884	77	410339	46.522	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	290970	45.750	ug/l	98
28) Bromochloromethane	7.244	49	192517	49.320	ug/l	98
29) Tetrahydrofuran	7.268	42	214487	275.830	ug/l	99
30) Chloroform	7.421	83	465833	45.883	ug/l	100
31) Cyclohexane	7.701	56	407632	43.348	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	415153	45.068	ug/l	99
36) 1,1-Dichloropropene	7.835	75	342303	45.967	ug/l	100
37) Ethyl Acetate	6.982	43	145321	52.544	ug/l	99
38) Carbon Tetrachloride	7.817	117	367135	45.380	ug/l	98
39) Methylcyclohexane	9.109	83	438429	45.487	ug/l	98
40) Benzene	8.079	78	1042640	46.502	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.213	41	88958	59.045	ug/l	92
42) 1,2-Dichloroethane	8.158	62	279220	50.055	ug/l	100
43) Isopropyl Acetate	8.195	43	300111	54.629	ug/l #	87
44) Trichloroethene	8.865	130	267268	46.410	ug/l	100
45) 1,2-Dichloropropane	9.140	63	246776	47.131	ug/l	100
46) Dibromomethane	9.231	93	134753	49.790	ug/l	99
47) Bromodichloromethane	9.420	83	358051	47.861	ug/l	100
48) Methyl methacrylate	9.219	41	147249	55.518	ug/l	100
49) 1,4-Dioxane	9.237	88	32221	1129.451	ug/l	95
51) 4-Methyl-2-Pentanone	9.999	43	804002	288.338	ug/l	100
52) Toluene	10.170	92	659183	47.287	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	328119	51.095	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	375614	48.527	ug/l	99
55) 1,1,2-Trichloroethane	10.572	97	177418	49.876	ug/l	99
56) Ethyl methacrylate	10.438	69	241078	54.291	ug/l	99
57) 1,3-Dichloropropane	10.719	76	310300	50.497	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	598615	275.393	ug/l	99
59) 2-Hexanone	10.761	43	547928	298.947	ug/l	99
60) Dibromochloromethane	10.908	129	232680	49.953	ug/l	99
61) 1,2-Dibromoethane	11.011	107	166085	51.415	ug/l	100
64) Tetrachloroethene	10.646	164	310183	46.956	ug/l	97
65) Chlorobenzene	11.438	112	706161	46.305	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	235455	45.267	ug/l	100
67) Ethyl Benzene	11.517	91	1258041	46.541	ug/l	99
68) m/p-Xylenes	11.627	106	966289	93.198	ug/l	100
69) o-Xylene	11.956	106	454809	47.267	ug/l	98
70) Styrene	11.969	104	753693	47.820	ug/l	100
71) Bromoform	12.133	173	134080	50.776	ug/l	98
73) Isopropylbenzene	12.255	105	1183789	44.271	ug/l	100
74) N-amyl acetate	12.072	43	269180	53.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	184767	47.749	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	177017m	45.042	ug/l	
77) Bromobenzene	12.529	156	262574	45.276	ug/l	98
78) n-propylbenzene	12.597	91	1455137	45.698	ug/l	100
79) 2-Chlorotoluene	12.676	91	803482	44.865	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	961475	45.590	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	65951	49.983	ug/l	99
82) 4-Chlorotoluene	12.773	91	837576	46.371	ug/l	100
83) tert-Butylbenzene	12.993	119	863185	45.312	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	962658	46.371	ug/l	100
85) sec-Butylbenzene	13.176	105	1304191	45.684	ug/l	100
86) p-Isopropyltoluene	13.291	119	1073149	46.286	ug/l	99
87) 1,3-Dichlorobenzene	13.285	146	532686	45.514	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	513938	45.391	ug/l	100
89) n-Butylbenzene	13.615	91	1009588	47.189	ug/l	100
90) Hexachloroethane	13.877	117	213851	44.550	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	459820	46.577	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	31393	54.638	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	258596	49.693	ug/l	99
94) Hexachlorobutadiene	15.023	225	149247	45.491	ug/l	100
95) Naphthalene	15.145	128	470535	56.375	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	220477	51.312	ug/l	100

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

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