

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
 Data File : VY021424.D
 Acq On : 05 Mar 2025 19:38
 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 :Mahesh Dadoda 03/06/2025
 Supervised By :Semsettin Yesilyurt 03/06/2025

Quant Time: Mar 06 02:59:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	206899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	344536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311231	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	122597	56.062	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.120%			
35) Dibromofluoromethane	7.634	113	114109	50.386	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.780%			
50) Toluene-d8	10.109	98	432060	50.387	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.408	95	153247	52.539	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	78272	41.225	ug/l	100
3) Chloromethane	2.068	50	128238	47.907	ug/l	98
4) Vinyl Chloride	2.202	62	138134	47.222	ug/l	97
5) Bromomethane	2.592	94	98178	46.438	ug/l	93
6) Chloroethane	2.732	64	96793	50.071	ug/l	100
7) Trichlorofluoromethane	3.056	101	182169	44.617	ug/l	96
8) Diethyl Ether	3.458	74	56421	49.864	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.818	101	97743	41.929	ug/l	99
10) Methyl Iodide	4.007	142	117229	49.472	ug/l	99
11) Tert butyl alcohol	4.872	59	38317	271.427	ug/l	100
12) 1,1-Dichloroethene	3.793	96	93406	43.950	ug/l	99
13) Acrolein	3.653	56	5389	48.450	ug/l	89
14) Allyl chloride	4.385	41	164572	47.916	ug/l	99
15) Acrylonitrile	5.061	53	129680	269.229	ug/l	99
16) Acetone	3.873	43	97474	204.365	ug/l	91
17) Carbon Disulfide	4.104	76	309832	46.517	ug/l	100
18) Methyl Acetate	4.391	43	61176	57.807	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	278283	51.661	ug/l	99
20) Methylene Chloride	4.616	84	114700	45.813	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	112609	47.312	ug/l	95
22) Diisopropyl ether	6.018	45	380567	51.415	ug/l	99
23) Vinyl Acetate	5.957	43	1121466	265.480	ug/l	99
24) 1,1-Dichloroethane	5.921	63	213111	48.783	ug/l	99
25) 2-Butanone	6.896	43	167767	254.277	ug/l	100
26) 2,2-Dichloropropane	6.884	77	156671	38.977	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	134181	49.624	ug/l	96
28) Bromochloromethane	7.244	49	99237	54.184	ug/l	99
29) Tetrahydrofuran	7.262	42	114330	280.692	ug/l	99
30) Chloroform	7.421	83	220507	48.609	ug/l	99
31) Cyclohexane	7.701	56	168619	41.171	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	190523	45.870	ug/l	99
36) 1,1-Dichloropropene	7.835	75	153203	43.217	ug/l	98
37) Ethyl Acetate	6.982	43	79262	50.588	ug/l	100
38) Carbon Tetrachloride	7.817	117	169759	41.639	ug/l	99
39) Methylcyclohexane	9.109	83	176131	40.506	ug/l	99
40) Benzene	8.079	78	473709	45.363	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	39832	46.689	ug/l #	92
42) 1,2-Dichloroethane	8.158	62	138707	47.480	ug/l	100
43) Isopropyl Acetate	8.201	43	152389	50.102	ug/l #	88
44) Trichloroethene	8.866	130	114863	43.528	ug/l	98
45) 1,2-Dichloropropane	9.140	63	114437	46.045	ug/l	97
46) Dibromomethane	9.231	93	67148	48.557	ug/l	98
47) Bromodichloromethane	9.426	83	171837	46.791	ug/l	99
48) Methyl methacrylate	9.219	41	72041	51.580	ug/l	99
49) 1,4-Dioxane	9.231	88	13970	1029.223	ug/l	94
51) 4-Methyl-2-Pentanone	9.999	43	416524	265.410	ug/l	100
52) Toluene	10.170	92	302128	45.891	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	149857	46.316	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	174543	45.437	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	88301	48.814	ug/l	98
56) Ethyl methacrylate	10.438	69	121555	52.689	ug/l	99
57) 1,3-Dichloropropane	10.719	76	151743	48.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	281106	263.953	ug/l	99
59) 2-Hexanone	10.762	43	276866	266.807	ug/l	99
60) Dibromochloromethane	10.914	129	118624	47.834	ug/l	99
61) 1,2-Dibromoethane	11.018	107	82806	48.502	ug/l	99
64) Tetrachloroethene	10.646	164	105570	41.714	ug/l	98
65) Chlorobenzene	11.444	112	326536	44.429	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.517	131	115191	44.331	ug/l	99
67) Ethyl Benzene	11.517	91	564717	43.777	ug/l	99
68) m/p-Xylenes	11.627	106	432540	88.319	ug/l	99
69) o-Xylene	11.956	106	203062	44.988	ug/l	99
70) Styrene	11.969	104	348657	46.562	ug/l	100
71) Bromoform	12.133	173	69176	47.624	ug/l	99
73) Isopropylbenzene	12.255	105	524312	41.086	ug/l	100
74) N-amyl acetate	12.072	43	134222	48.431	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	102872	45.682	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	78321m	47.978	ug/l	
77) Bromobenzene	12.529	156	126126	42.247	ug/l	98
78) n-propylbenzene	12.597	91	637347	41.124	ug/l	100
79) 2-Chlorotoluene	12.682	91	374463	42.256	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	431291	41.588	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	31174	43.412	ug/l	98
82) 4-Chlorotoluene	12.779	91	383884	41.833	ug/l	100
83) tert-Butylbenzene	12.999	119	383975	41.504	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	433013	42.054	ug/l	100
85) sec-Butylbenzene	13.176	105	550455	39.990	ug/l	98
86) p-Isopropyltoluene	13.292	119	466005	41.093	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	242510	40.808	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	238560	41.047	ug/l	100
89) n-Butylbenzene	13.621	91	422729	40.369	ug/l	99
90) Hexachloroethane	13.883	117	97432	40.274	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	218928	42.982	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15643	46.373	ug/l	96
93) 1,2,4-Trichlorobenzene	14.919	180	113576	40.825	ug/l	98
94) Hexachlorobutadiene	15.023	225	68584	39.328	ug/l	99
95) Naphthalene	15.145	128	210888	45.395	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	100049	42.759	ug/l	99

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

