

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040725\
 Data File : VY021794.D
 Acq On : 07 Apr 2025 09:10
 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 04/08/2025
 Supervised By :Semsettin Yesilyurt 04/08/2025

Quant Time: Apr 08 03:30:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	224832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	336981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	298811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	114675	47.075	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.160%			
35) Dibromofluoromethane	7.634	113	110409	50.509	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.109	98	430269	51.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.480%			
62) 4-Bromofluorobenzene	12.408	95	146026	51.914	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.820%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.867	85	101543	43.574	ug/l	99
3) Chloromethane	2.068	50	144626	44.137	ug/l	99
4) Vinyl Chloride	2.202	62	168210	45.392	ug/l	100
5) Bromomethane	2.598	94	103733	41.042	ug/l	96
6) Chloroethane	2.733	64	109653	45.220	ug/l	96
7) Trichlorofluoromethane	3.056	101	219440	46.226	ug/l	96
8) Diethyl Ether	3.452	74	56166	43.508	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.812	101	116067	46.358	ug/l	99
10) Methyl Iodide	4.007	142	134960	49.135	ug/l	99
11) Tert butyl alcohol	4.854	59	31101	196.563	ug/l	98
12) 1,1-Dichloroethene	3.793	96	110572	46.887	ug/l	98
13) Acrolein	3.647	56	21903	75.813	ug/l	98
14) Allyl chloride	4.385	41	173690	46.193	ug/l	99
15) Acrylonitrile	5.061	53	116368	215.889	ug/l	98
16) Acetone	3.866	43	129207	259.165	ug/l	96
17) Carbon Disulfide	4.104	76	350105	45.073	ug/l	98
18) Methyl Acetate	4.385	43	61273	49.589	ug/l	98
19) Methyl tert-butyl Ether	5.116	73	264988	45.133	ug/l	99
20) Methylene Chloride	4.616	84	117747	48.120	ug/l	97
21) trans-1,2-Dichloroethene	5.116	96	123247	47.466	ug/l	95
22) Diisopropyl ether	6.019	45	375600	47.619	ug/l	99
23) Vinyl Acetate	5.958	43	1018936	220.822	ug/l	100
24) 1,1-Dichloroethane	5.915	63	223308	47.347	ug/l	99
25) 2-Butanone	6.890	43	163207	229.196	ug/l	98
26) 2,2-Dichloropropane	6.884	77	202427	48.250	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	140137	47.992	ug/l	98
28) Bromochloromethane	7.244	49	92565	46.536	ug/l	100
29) Tetrahydrofuran	7.262	42	98557	215.053	ug/l	98
30) Chloroform	7.421	83	233479	47.595	ug/l	99
31) Cyclohexane	7.701	56	191520	44.546	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	209391	47.227	ug/l	98
36) 1,1-Dichloropropene	7.835	75	168291	50.545	ug/l	99
37) Ethyl Acetate	6.982	43	69534	44.251	ug/l	98
38) Carbon Tetrachloride	7.817	117	193545	50.753	ug/l	98
39) Methylcyclohexane	9.109	83	194442	48.886	ug/l	99
40) Benzene	8.079	78	501796	50.325	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	40954m	49.076	ug/l	
42) 1,2-Dichloroethane	8.158	62	135660	48.260	ug/l	99
43) Isopropyl Acetate	8.195	43	133660	44.885	ug/l #	87
44) Trichloroethene	8.866	130	131643	51.817	ug/l	96
45) 1,2-Dichloropropane	9.140	63	117612	49.831	ug/l	99
46) Dibromomethane	9.231	93	65338	48.034	ug/l	98
47) Bromodichloromethane	9.426	83	174186	49.419	ug/l	100
48) Methyl methacrylate	9.219	41	64853	47.453	ug/l	95
49) 1,4-Dioxane	9.231	88	13646	936.467	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	360893	232.887	ug/l	100
52) Toluene	10.170	92	319169	51.304	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	155920	49.804	ug/l	99
54) cis-1,3-Dichloropropene	9.859	75	185476	50.219	ug/l	97
55) 1,1,2-Trichloroethane	10.573	97	86004	49.131	ug/l	98
56) Ethyl methacrylate	10.445	69	109189	48.850	ug/l	98
57) 1,3-Dichloropropane	10.719	76	149100	49.319	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	282136	258.748	ug/l	100
59) 2-Hexanone	10.762	43	251244	243.444	ug/l	100
60) Dibromochloromethane	10.914	129	118885	49.743	ug/l	99
61) 1,2-Dibromoethane	11.018	107	80014	48.727	ug/l	99
64) Tetrachloroethene	10.646	164	148740	54.654	ug/l	98
65) Chlorobenzene	11.444	112	341961	49.923	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	121265	49.897	ug/l	98
67) Ethyl Benzene	11.524	91	607101	51.687	ug/l	100
68) m/p-Xylenes	11.633	106	467260	103.887	ug/l	100
69) o-Xylene	11.957	106	215626	51.935	ug/l	98
70) Styrene	11.969	104	364462	52.649	ug/l	99
71) Bromoform	12.133	173	68597	49.483	ug/l #	99
73) Isopropylbenzene	12.255	105	575416	50.541	ug/l	99
74) N-amyl acetate	12.072	43	115291	43.148	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.511	83	85563	41.800	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	75873m	49.934	ug/l	
77) Bromobenzene	12.536	156	134854	49.332	ug/l	97
78) n-propylbenzene	12.597	91	700624	51.186	ug/l	100
79) 2-Chlorotoluene	12.682	91	394135	49.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	470123	50.524	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.304	75	30461	46.192	ug/l	97
82) 4-Chlorotoluene	12.780	91	405107	48.877	ug/l	98
83) tert-Butylbenzene	12.999	119	409458	49.404	ug/l	98
84) 1,2,4-Trimethylbenzene	13.048	105	473400	51.475	ug/l	99
85) sec-Butylbenzene	13.176	105	612188	50.544	ug/l	100
86) p-Isopropyltoluene	13.292	119	516598	51.605	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	268145	49.789	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	258781	48.633	ug/l	99
89) n-Butylbenzene	13.621	91	467407	50.487	ug/l	100
90) Hexachloroethane	13.883	117	106174	48.399	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	230830	49.236	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	14186	44.715	ug/l	97
93) 1,2,4-Trichlorobenzene	14.925	180	125306	49.286	ug/l	99
94) Hexachlorobutadiene	15.029	225	76368	48.096	ug/l	99
95) Naphthalene	15.151	128	198442	47.089	ug/l	100
96) 1,2,3-Trichlorobenzene	15.334	180	105317	48.577	ug/l	99

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

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