

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032825\
 Data File : VY021708.D
 Acq On : 28 Mar 2025 21:28
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/31/2025
 Supervised By :Semsettin Yesilyurt 03/31/2025

Quant Time: Mar 28 23:51:07 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	7.713	168	217754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	345746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	314597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	119019	50.447	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.900%			
35) Dibromofluoromethane	7.634	113	113245	50.493	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.980%			
50) Toluene-d8	10.109	98	443720	52.005	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.000%			
62) 4-Bromofluorobenzene	12.408	95	151110	52.359	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	106845	47.340	ug/l	99
3) Chloromethane	2.068	50	153278	48.298	ug/l	98
4) Vinyl Chloride	2.202	62	168540	46.959	ug/l	100
5) Bromomethane	2.598	94	111748	45.651	ug/l	95
6) Chloroethane	2.739	64	112753	48.010	ug/l	96
7) Trichlorofluoromethane	3.062	101	233189	50.719	ug/l	98
8) Diethyl Ether	3.452	74	65628	52.489	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	124487	51.337	ug/l	98
10) Methyl Iodide	4.007	142	147270	55.360	ug/l	99
11) Tert butyl alcohol	4.854	59	32727	213.563	ug/l	99
12) 1,1-Dichloroethene	3.793	96	119474	52.308	ug/l	99
13) Acrolein	3.653	56	57274	204.686	ug/l	99
14) Allyl chloride	4.391	41	181030	49.710	ug/l	99
15) Acrylonitrile	5.055	53	125247	239.914	ug/l	99
16) Acetone	3.866	43	106437	220.432	ug/l	100
17) Carbon Disulfide	4.104	76	391111	51.989	ug/l	98
18) Methyl Acetate	4.385	43	63838	53.345	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	282385	49.659	ug/l	99
20) Methylene Chloride	4.616	84	125809	53.519	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	126356	50.245	ug/l	98
22) Diisopropyl ether	6.018	45	402777	52.724	ug/l	99
23) Vinyl Acetate	5.958	43	1111673	248.750	ug/l	99
24) 1,1-Dichloroethane	5.915	63	229830	50.314	ug/l	99
25) 2-Butanone	6.890	43	157081	227.763	ug/l	99
26) 2,2-Dichloropropane	6.884	77	178991	44.051	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	144567	51.119	ug/l	99
28) Bromochloromethane	7.250	49	95873	49.766	ug/l	99
29) Tetrahydrofuran	7.262	42	107394	241.953	ug/l	99
30) Chloroform	7.421	83	238557	50.211	ug/l	98
31) Cyclohexane	7.701	56	195857	47.036	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	209945	48.891	ug/l	98
36) 1,1-Dichloropropene	7.835	75	166547	48.753	ug/l	100
37) Ethyl Acetate	6.982	43	74500	46.210	ug/l	99
38) Carbon Tetrachloride	7.817	117	188417	48.156	ug/l	98
39) Methylcyclohexane	9.109	83	202821	49.700	ug/l	98
40) Benzene	8.079	78	512576	50.103	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	38978	45.524	ug/l #	100
42) 1,2-Dichloroethane	8.158	62	142284	49.334	ug/l	100
43) Isopropyl Acetate	8.195	43	146133	47.830	ug/l	99
44) Trichloroethene	8.866	130	129120	49.535	ug/l	95
45) 1,2-Dichloropropane	9.140	63	122679	50.660	ug/l	100
46) Dibromomethane	9.231	93	69706	49.946	ug/l	96
47) Bromodichloromethane	9.426	83	182526	50.473	ug/l	97
48) Methyl methacrylate	9.219	41	69078	49.263	ug/l	99
49) 1,4-Dioxane	9.225	88	13913	930.586	ug/l	100
51) 4-Methyl-2-Pentanone	9.999	43	389358	244.886	ug/l	99
52) Toluene	10.170	92	330050	51.709	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	159330	49.603	ug/l	100
54) cis-1,3-Dichloropropene	9.853	75	189215	49.932	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	89226	49.680	ug/l	99
56) Ethyl methacrylate	10.438	69	119323	52.031	ug/l	99
57) 1,3-Dichloropropane	10.719	76	156025	50.301	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	320537	286.514	ug/l	100
59) 2-Hexanone	10.762	43	258501	244.126	ug/l	100
60) Dibromochloromethane	10.914	129	124652	50.834	ug/l	100
61) 1,2-Dibromoethane	11.018	107	86097	51.102	ug/l	99
64) Tetrachloroethene	10.646	164	135779	47.388	ug/l	99
65) Chlorobenzene	11.438	112	348959	48.389	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.517	131	124552	48.678	ug/l	98
67) Ethyl Benzene	11.517	91	623641	50.431	ug/l	98
68) m/p-Xylenes	11.627	106	475508	100.416	ug/l	99
69) o-Xylene	11.956	106	223458	51.121	ug/l	99
70) Styrene	11.969	104	379249	52.036	ug/l	100
71) Bromoform	12.133	173	71663	49.101	ug/l	99
73) Isopropylbenzene	12.255	105	588406	49.448	ug/l	99
74) N-amyl acetate	12.072	43	133224	47.705	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.505	83	97641	45.640	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	73553m	46.315	ug/l	
77) Bromobenzene	12.530	156	138183	48.366	ug/l	98
78) n-propylbenzene	12.597	91	709962	49.627	ug/l	100
79) 2-Chlorotoluene	12.682	91	410840	49.444	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	485630	49.935	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	30155	43.752	ug/l	96
82) 4-Chlorotoluene	12.779	91	423926	48.937	ug/l	100
83) tert-Butylbenzene	12.999	119	430104	49.653	ug/l	100
84) 1,2,4-Trimethylbenzene	13.042	105	482702	50.218	ug/l	100
85) sec-Butylbenzene	13.176	105	627450	49.565	ug/l	100
86) p-Isopropyltoluene	13.292	119	527074	50.376	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	270540	48.063	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	267193	48.044	ug/l	98
89) n-Butylbenzene	13.615	91	481233	49.734	ug/l	100
90) Hexachloroethane	13.877	117	109594	47.800	ug/l	100
91) 1,2-Dichlorobenzene	13.657	146	238554	48.685	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	15412	46.480	ug/l	98
93) 1,2,4-Trichlorobenzene	14.919	180	133741	50.331	ug/l	99
94) Hexachlorobutadiene	15.023	225	80712	48.635	ug/l	98
95) Naphthalene	15.145	128	245466	55.731	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	116727	51.513	ug/l	100

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

