

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021472.D
 Acq On : 07 Mar 2025 19:32
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/11/2025
 Supervised By :Semsettin Yesilyurt 03/11/2025

Quant Time: Mar 07 22:04:24 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	7.707	168	159799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	260015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	243626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	128624	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	112030	66.330	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.660%	
35) Dibromofluoromethane	7.634	113	106320	62.208	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.420%	
50) Toluene-d8	10.103	98	393289	60.775	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 121.540%	
62) 4-Bromofluorobenzene	12.408	95	139636	63.435	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 126.860%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.861	85	66730	45.505	ug/l	98
3) Chloromethane	2.068	50	115673	55.950	ug/l	100
4) Vinyl Chloride	2.202	62	123377	54.608	ug/l	97
5) Bromomethane	2.592	94	85711	52.490	ug/l	98
6) Chloroethane	2.733	64	88618	59.354	ug/l	98
7) Trichlorofluoromethane	3.056	101	161328	51.158	ug/l	99
8) Diethyl Ether	3.452	74	49585	56.738	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	87532	48.617	ug/l	99
10) Methyl Iodide	4.007	142	108170	59.104	ug/l	99
11) Tert butyl alcohol	4.866	59	29064	266.120	ug/l	99
12) 1,1-Dichloroethene	3.787	96	81925	49.909	ug/l	97
13) Acrolein	3.647	56	3669	42.709	ug/l	93
14) Allyl chloride	4.385	41	139527	52.598	ug/l	100
15) Acrylonitrile	5.061	53	108172	290.769	ug/l	99
16) Acetone	3.867	43	84843	230.313	ug/l	97
17) Carbon Disulfide	4.104	76	264852	51.484	ug/l	99
18) Methyl Acetate	4.379	43	55378	67.751	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	233607	56.149	ug/l	100
20) Methylene Chloride	4.616	84	104112	53.841	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	98637	53.656	ug/l	95
22) Diisopropyl ether	6.019	45	336012	58.776	ug/l	99
23) Vinyl Acetate	5.958	43	937037	287.202	ug/l	99
24) 1,1-Dichloroethane	5.915	63	190871	56.570	ug/l	99
25) 2-Butanone	6.896	43	137773	270.364	ug/l	98
26) 2,2-Dichloropropane	6.890	77	119963	38.641	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	118369	56.679	ug/l	95
28) Bromochloromethane	7.244	49	92536	65.418	ug/l	99
29) Tetrahydrofuran	7.262	42	94900	301.661	ug/l	98
30) Chloroform	7.421	83	199591	56.967	ug/l	97
31) Cyclohexane	7.701	56	147210	46.538	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	168699	52.586	ug/l	99
36) 1,1-Dichloropropene	7.835	75	131874	49.293	ug/l	99
37) Ethyl Acetate	6.982	43	65324	55.245	ug/l	98
38) Carbon Tetrachloride	7.817	117	150145	48.799	ug/l	97
39) Methylcyclohexane	9.110	83	152320	46.417	ug/l	99
40) Benzene	8.079	78	422900	53.662	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.220	41	34441	53.493	ug/l #	93
42) 1,2-Dichloroethane	8.158	62	122666	55.638	ug/l	100
43) Isopropyl Acetate	8.195	43	126898	55.283	ug/l #	88
44) Trichloroethene	8.866	130	102489	51.464	ug/l	100
45) 1,2-Dichloropropane	9.140	63	102785	54.800	ug/l	96
46) Dibromomethane	9.231	93	57971	55.548	ug/l	99
47) Bromodichloromethane	9.420	83	154339	55.687	ug/l	98
48) Methyl methacrylate	9.219	41	60548	57.443	ug/l	99
49) 1,4-Dioxane	9.231	88	12734	1243.123	ug/l	95
51) 4-Methyl-2-Pentanone	10.000	43	346952	292.943	ug/l	98
52) Toluene	10.170	92	267596	53.858	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	127113	52.057	ug/l	98
54) cis-1,3-Dichloropropene	9.853	75	148526	51.233	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	76322	55.907	ug/l	99
56) Ethyl methacrylate	10.439	69	100423	57.679	ug/l	100
57) 1,3-Dichloropropane	10.713	76	134004	56.635	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.707	63	251488	312.904	ug/l	99
59) 2-Hexanone	10.762	43	225862	288.408	ug/l	98
60) Dibromochloromethane	10.908	129	103876	55.502	ug/l	99
61) 1,2-Dibromoethane	11.012	107	71825	55.746	ug/l	98
64) Tetrachloroethene	10.646	164	106706	53.863	ug/l	97
65) Chlorobenzene	11.444	112	289584	50.335	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.518	131	103394	50.833	ug/l	99
67) Ethyl Benzene	11.518	91	505112	50.022	ug/l	99
68) m/p-Xylenes	11.627	106	388148	101.247	ug/l	99
69) o-Xylene	11.957	106	181856	51.470	ug/l	100
70) Styrene	11.969	104	311809	53.196	ug/l	99
71) Bromoform	12.133	173	59303	52.156	ug/l #	98
73) Isopropylbenzene	12.255	105	474321	46.814	ug/l	100
74) N-amyl acetate	12.072	43	111260	50.563	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	87173	48.756	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	63691m	49.140	ug/l	
77) Bromobenzene	12.530	156	114220	48.186	ug/l	99
78) n-propylbenzene	12.597	91	578295	46.996	ug/l	100
79) 2-Chlorotoluene	12.682	91	338516	48.112	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	397827	48.316	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	22674	39.769	ug/l	98
82) 4-Chlorotoluene	12.780	91	353763	48.554	ug/l	100
83) tert-Butylbenzene	12.999	119	348108	47.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	398798	48.781	ug/l	99
85) sec-Butylbenzene	13.176	105	508061	46.488	ug/l	100
86) p-Isopropyltoluene	13.292	119	425675	47.277	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	223446	47.356	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	219451	47.557	ug/l	99
89) n-Butylbenzene	13.621	91	389348	46.830	ug/l	99
90) Hexachloroethane	13.883	117	90404	47.066	ug/l	96
91) 1,2-Dichlorobenzene	13.657	146	197868	48.928	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13326	49.756	ug/l	94
93) 1,2,4-Trichlorobenzene	14.926	180	104801	47.445	ug/l	99
94) Hexachlorobutadiene	15.023	225	62326	45.013	ug/l	98
95) Naphthalene	15.145	128	183025	49.133	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	90962	48.963	ug/l	99

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

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