

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012425\
 Data File : VY020934.D
 Acq On : 24 Jan 2025 17:29
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY012425

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/27/2025
 Supervised By :Mahesh Dadoda 01/27/2025

Quant Time: Jan 25 01:43:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:08:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.720	168	249417	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	375923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	322470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	159909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	102024	51.304	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.600%			
35) Dibromofluoromethane	7.640	113	105359	48.820	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.640%			
50) Toluene-d8	10.115	98	404094	48.274	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.540%			
62) 4-Bromofluorobenzene	12.414	95	137380	49.313	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 98.620%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	87577	46.424	ug/l	100
3) Chloromethane	2.074	50	69378	49.446	ug/l	98
4) Vinyl Chloride	2.208	62	73564	48.106	ug/l	100
5) Bromomethane	2.605	94	51213	49.446	ug/l	94
6) Chloroethane	2.745	64	45591	50.817	ug/l	96
7) Trichlorofluoromethane	3.074	101	159588	49.118	ug/l	99
8) Diethyl Ether	3.464	74	54774	54.852	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.830	101	106487	49.672	ug/l	98
10) Methyl Iodide	4.019	142	129742	50.782	ug/l	100
11) Tert butyl alcohol	4.873	59	35319	230.070	ug/l	99
12) 1,1-Dichloroethene	3.800	96	101729	50.247	ug/l	98
13) Acrolein	3.659	56	55243	265.447	ug/l	100
14) Allyl chloride	4.397	41	146397	51.808	ug/l	98
15) Acrylonitrile	5.074	53	110519	281.559	ug/l	100
16) Acetone	3.879	43	73825	274.000	ug/l	98
17) Carbon Disulfide	4.117	76	313035	50.066	ug/l	100
18) Methyl Acetate	4.397	43	52100	53.528	ug/l	97
19) Methyl tert-butyl Ether	5.129	73	257823	54.981	ug/l	98
20) Methylene Chloride	4.629	84	105786	52.792	ug/l	99
21) trans-1,2-Dichloroethene	5.129	96	111482	51.071	ug/l	98
22) Diisopropyl ether	6.025	45	308334	54.247	ug/l	94
23) Vinyl Acetate	5.970	43	887422	282.102	ug/l	100
24) 1,1-Dichloroethane	5.927	63	188482	52.312	ug/l	99
25) 2-Butanone	6.903	43	129028	282.706	ug/l	94
26) 2,2-Dichloropropane	6.897	77	169896	47.873	ug/l	99
27) cis-1,2-Dichloroethene	6.903	96	130137	52.825	ug/l	98
28) Bromochloromethane	7.256	49	80606	55.587	ug/l	100
29) Tetrahydrofuran	7.275	42	87303	287.016	ug/l	100
30) Chloroform	7.433	83	200383	52.547	ug/l	98
31) Cyclohexane	7.707	56	167313	47.247	ug/l	98
32) 1,1,1-Trichloroethane	7.628	97	185498	50.150	ug/l	99
36) 1,1-Dichloropropene	7.841	75	146535	48.632	ug/l	99
37) Ethyl Acetate	6.994	43	61220	52.368	ug/l	99
38) Carbon Tetrachloride	7.829	117	176755	48.644	ug/l	98
39) Methylcyclohexane	9.116	83	200589	49.174	ug/l	99
40) Benzene	8.085	78	444264	50.258	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.226	41	29279	47.411	ug/l #	86
42) 1,2-Dichloroethane	8.165	62	115847	52.669	ug/l	99
43) Isopropyl Acetate	8.201	43	122144	55.099	ug/l	99
44) Trichloroethene	8.872	130	119881	49.919	ug/l	96
45) 1,2-Dichloropropane	9.146	63	102743	52.655	ug/l	99
46) Dibromomethane	9.238	93	59047	53.229	ug/l	99
47) Bromodichloromethane	9.427	83	153261	51.925	ug/l	98
48) Methyl methacrylate	9.225	41	57683	55.161	ug/l	100
49) 1,4-Dioxane	9.238	88	12853	1125.314	ug/l	93
51) 4-Methyl-2-Pentanone	10.006	43	312235	279.337	ug/l	99
52) Toluene	10.176	92	291201	51.221	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	144349	53.338	ug/l	97
54) cis-1,3-Dichloropropene	9.859	75	170478	52.755	ug/l	99
55) 1,1,2-Trichloroethane	10.579	97	77755	51.855	ug/l	98
56) Ethyl methacrylate	10.445	69	110172	56.063	ug/l	99
57) 1,3-Dichloropropane	10.725	76	134618	52.847	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.719	63	259350	290.780	ug/l	100
59) 2-Hexanone	10.768	43	206073	286.705	ug/l	100
60) Dibromochloromethane	10.914	129	111605	52.885	ug/l	100
61) 1,2-Dibromoethane	11.024	107	76262	53.174	ug/l	99
64) Tetrachloroethene	10.652	164	109879	48.963	ug/l	96
65) Chlorobenzene	11.445	112	317906	50.414	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.524	131	114790	51.226	ug/l	99
67) Ethyl Benzene	11.524	91	552137	50.178	ug/l	100
68) m/p-Xylenes	11.634	106	425851	101.071	ug/l	100
69) o-Xylene	11.963	106	201224	51.128	ug/l	99
70) Styrene	11.975	104	341185	52.897	ug/l	100
71) Bromoform	12.140	173	68716	54.155	ug/l #	99
73) Isopropylbenzene	12.261	105	535836	48.654	ug/l	100
74) N-amyl acetate	12.079	43	106558	54.373	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.511	83	88378	51.576	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	64043m	58.820	ug/l	
77) Bromobenzene	12.536	156	128412	49.741	ug/l	99
78) n-propylbenzene	12.603	91	624466	48.677	ug/l	100
79) 2-Chlorotoluene	12.688	91	357417	49.123	ug/l	99
80) 1,3,5-Trimethylbenzene	12.743	105	435997	49.268	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	30508	52.132	ug/l	97
82) 4-Chlorotoluene	12.786	91	367341	49.441	ug/l	100
83) tert-Butylbenzene	13.005	119	402986	49.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	434406	49.864	ug/l	99
85) sec-Butylbenzene	13.182	105	567874	48.797	ug/l	100
86) p-Isopropyltoluene	13.298	119	481599	48.984	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	244452	49.449	ug/l	100
88) 1,4-Dichlorobenzene	13.377	146	238276	49.067	ug/l	99
89) n-Butylbenzene	13.627	91	423619	48.846	ug/l	100
90) Hexachloroethane	13.889	117	94843	48.560	ug/l	99
91) 1,2-Dichlorobenzene	13.664	146	215149	50.233	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.279	75	13564	52.692	ug/l	98
93) 1,2,4-Trichlorobenzene	14.932	180	132251	51.329	ug/l	98
94) Hexachlorobutadiene	15.029	225	85875	48.715	ug/l	99
95) Naphthalene	15.151	128	231117	55.938	ug/l	100
96) 1,2,3-Trichlorobenzene	15.340	180	113923	52.629	ug/l	99

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

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