

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022093.D
 Acq On : 30 Apr 2025 19:25
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Quant Time: May 01 01:41:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/05/2025
 Supervised By :Mahesh Dadoda 05/05/2025

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	279787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	434114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	413341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	226802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	131210	50.771	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.540%			
35) Dibromofluoromethane	7.634	113	144859	50.509	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.103	98	561844	51.963	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.401	95	191468	52.603	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 105.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	105549	44.273	ug/l	96
3) Chloromethane	2.062	50	166711	49.110	ug/l	97
4) Vinyl Chloride	2.196	62	207563	49.757	ug/l	100
5) Bromomethane	2.592	94	159852	44.478	ug/l	100
6) Chloroethane	2.726	64	137426	48.372	ug/l	99
7) Trichlorofluoromethane	3.049	101	267089	48.555	ug/l	96
8) Diethyl Ether	3.452	74	71740	50.107	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	138291	46.344	ug/l	98
10) Methyl Iodide	4.000	142	184517	53.408	ug/l	99
11) Tert butyl alcohol	4.866	59	35756	252.019	ug/l #	85
12) 1,1-Dichloroethene	3.781	96	135740	48.803	ug/l	98
13) Acrolein	3.647	56	48349	189.869	ug/l	98
14) Allyl chloride	4.378	41	159760	49.330	ug/l	98
15) Acrylonitrile	5.055	53	136635	260.682	ug/l	99
16) Acetone	3.872	43	91946	273.850	ug/l	99
17) Carbon Disulfide	4.098	76	421617	47.541	ug/l	99
18) Methyl Acetate	4.378	43	90898	75.296	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	324886	52.188	ug/l	99
20) Methylene Chloride	4.610	84	155271	47.515	ug/l	98
21) trans-1,2-Dichloroethene	5.104	96	160468	51.515	ug/l	99
22) Diisopropyl ether	6.018	45	376056	52.178	ug/l	98
23) Vinyl Acetate	5.957	43	938715	241.676	ug/l	99
24) 1,1-Dichloroethane	5.909	63	251268	50.297	ug/l	99
25) 2-Butanone	6.890	43	151151	256.584	ug/l	98
26) 2,2-Dichloropropane	6.884	77	187753	42.880	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	181768	52.187	ug/l	97
28) Bromochloromethane	7.238	49	93915	48.399	ug/l	95
29) Tetrahydrofuran	7.262	42	102334	267.468	ug/l	97
30) Chloroform	7.420	83	286876	51.770	ug/l	99
31) Cyclohexane	7.701	56	197506	46.232	ug/l	99
32) 1,1,1-Trichloroethane	7.616	97	250695	50.005	ug/l	99
36) 1,1-Dichloropropene	7.829	75	191957	49.827	ug/l	99
37) Ethyl Acetate	6.988	43	67968	49.123	ug/l	97
38) Carbon Tetrachloride	7.817	117	230120	49.989	ug/l	98
39) Methylcyclohexane	9.103	83	234423	48.353	ug/l	95
40) Benzene	8.079	78	624003	51.816	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	38382	50.746	ug/l #	89
42) 1,2-Dichloroethane	8.152	62	152663	51.202	ug/l	100
43) Isopropyl Acetate	8.195	43	137038	51.574	ug/l	99
44) Trichloroethene	8.865	130	172407	51.686	ug/l	98
45) 1,2-Dichloropropane	9.140	63	137332	51.567	ug/l	99
46) Dibromomethane	9.231	93	88131	52.864	ug/l	99
47) Bromodichloromethane	9.420	83	221221	53.118	ug/l	99
48) Methyl methacrylate	9.219	41	65076	52.979	ug/l	95
49) 1,4-Dioxane	9.231	88	19258	1083.807	ug/l	92
51) 4-Methyl-2-Pentanone	9.993	43	386602	277.552	ug/l	100
52) Toluene	10.170	92	413973	53.105	ug/l	99
53) t-1,3-Dichloropropene	10.389	75	181922	50.926	ug/l	97
54) cis-1,3-Dichloropropene	9.853	75	215998	50.866	ug/l	98
55) 1,1,2-Trichloroethane	10.566	97	120188	53.971	ug/l	99
56) Ethyl methacrylate	10.438	69	137995	54.188	ug/l	99
57) 1,3-Dichloropropane	10.713	76	191602	53.670	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	346335	278.156	ug/l	99
59) 2-Hexanone	10.755	43	256011	278.656	ug/l	99
60) Dibromochloromethane	10.908	129	167319	54.270	ug/l	99
61) 1,2-Dibromoethane	11.011	107	113497	53.986	ug/l	98
64) Tetrachloroethene	10.646	164	200262	51.358	ug/l	99
65) Chlorobenzene	11.438	112	463472	50.141	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	167141	51.362	ug/l	99
67) Ethyl Benzene	11.517	91	781741	51.700	ug/l	99
68) m/p-Xylenes	11.627	106	622156	103.402	ug/l	100
69) o-Xylene	11.950	106	291176	52.505	ug/l	100
70) Styrene	11.968	104	500569	53.759	ug/l	100
71) Bromoform	12.127	173	101109	53.441	ug/l #	98
73) Isopropylbenzene	12.255	105	752047	49.631	ug/l	100
74) N-amyl acetate	12.066	43	120555	46.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	124934	48.903	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	85118m	43.815	ug/l	
77) Bromobenzene	12.529	156	190775	49.825	ug/l	98
78) n-propylbenzene	12.590	91	883060	48.936	ug/l	100
79) 2-Chlorotoluene	12.676	91	513695	48.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.730	105	624160	49.993	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.298	75	35247	43.692	ug/l	98
82) 4-Chlorotoluene	12.773	91	531810	48.749	ug/l	98
83) tert-Butylbenzene	12.993	119	562168	50.206	ug/l	99
84) 1,2,4-Trimethylbenzene	13.041	105	626953	50.205	ug/l	100
85) sec-Butylbenzene	13.176	105	804127	49.077	ug/l	100
86) p-Isopropyltoluene	13.291	119	682689	49.067	ug/l	100
87) 1,3-Dichlorobenzene	13.285	146	379414	48.789	ug/l	100
88) 1,4-Dichlorobenzene	13.365	146	372692	48.390	ug/l	99
89) n-Butylbenzene	13.614	91	589280	47.384	ug/l	100
90) Hexachloroethane	13.877	117	145885	47.724	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	336060	49.546	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	19056	46.884	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	185351	48.224	ug/l	100
94) Hexachlorobutadiene	15.023	225	109687	46.383	ug/l	99
95) Naphthalene	15.145	128	325878	51.039	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	162616	49.013	ug/l	99

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

