

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052825\
 Data File : VY022440.D
 Acq On : 28 May 2025 09:23
 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 05/29/2025
 Supervised By :Semsettin Yesilyurt 05/29/2025

Quant Time: May 29 01:50:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 10:34:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	219862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	381092	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	326755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	153754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	129496	55.918	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.840%
35) Dibromofluoromethane	7.640	113	117313	52.565	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.120%
50) Toluene-d8	10.109	98	474174	52.118	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.240%
62) 4-Bromofluorobenzene	12.408	95	140463	51.040	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.080%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	92277	43.991	ug/l	99
3) Chloromethane	2.068	50	308387	59.768	ug/l	99
4) Vinyl Chloride	2.208	62	357873	57.093	ug/l	100
5) Bromomethane	2.598	94	309263	54.293	ug/l	98
6) Chloroethane	2.739	64	246885	60.274	ug/l	100
7) Trichlorofluoromethane	3.056	101	275124	52.022	ug/l	100
8) Diethyl Ether	3.464	74	63948	52.441	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	116717	50.305	ug/l	98
10) Methyl Iodide	4.013	142	134505	51.385	ug/l	98
11) Tert butyl alcohol	4.884	59	45079	276.159	ug/l	98
12) 1,1-Dichloroethene	3.799	96	114752	49.816	ug/l	92
13) Acrolein	3.659	56	63769	260.722	ug/l	99
14) Allyl chloride	4.391	41	180387	52.058	ug/l	100
15) Acrylonitrile	5.067	53	135202	275.066	ug/l	98
16) Acetone	3.885	43	99131	260.497	ug/l	# 88
17) Carbon Disulfide	4.116	76	364815	49.627	ug/l	100
18) Methyl Acetate	4.391	43	82298	57.733	ug/l	97
19) Methyl tert-butyl Ether	5.128	73	326440	53.378	ug/l	95
20) Methylene Chloride	4.628	84	129297	48.115	ug/l	97
21) trans-1,2-Dichloroethene	5.122	96	125292	49.822	ug/l	98
22) Diisopropyl ether	6.031	45	395444	51.708	ug/l	98
23) Vinyl Acetate	5.970	43	1155616	263.171	ug/l	100
24) 1,1-Dichloroethane	5.927	63	234094	51.802	ug/l	99
25) 2-Butanone	6.908	43	171537	270.662	ug/l	98
26) 2,2-Dichloropropane	6.896	77	204691	50.024	ug/l	98
27) cis-1,2-Dichloroethene	6.902	96	151248	51.952	ug/l	98
28) Bromochloromethane	7.250	49	105373	55.841	ug/l	99
29) Tetrahydrofuran	7.268	42	116666	276.019	ug/l	99
30) Chloroform	7.427	83	234746	52.718	ug/l	98
31) Cyclohexane	7.707	56	211827	47.553	ug/l	98
32) 1,1,1-Trichloroethane	7.622	97	206293	51.047	ug/l	100
36) 1,1-Dichloropropene	7.841	75	173349	48.948	ug/l	98
37) Ethyl Acetate	6.994	43	80750	53.651	ug/l	98
38) Carbon Tetrachloride	7.823	117	179942	48.775	ug/l	98
39) Methylcyclohexane	9.115	83	222990	47.368	ug/l	98
40) Benzene	8.085	78	527461	50.053	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.232	41	44839m	49.085	ug/l	
42) 1,2-Dichloroethane	8.164	62	144277	51.839	ug/l	100
43) Isopropyl Acetate	8.201	43	172601	52.480	ug/l	98
44) Trichloroethene	8.872	130	128886	49.475	ug/l	98
45) 1,2-Dichloropropane	9.146	63	126236	50.985	ug/l	98
46) Dibromomethane	9.237	93	70247	50.789	ug/l	98
47) Bromodichloromethane	9.426	83	182467	51.302	ug/l	99
48) Methyl methacrylate	9.225	41	81223	53.202	ug/l	100
49) 1,4-Dioxane	9.231	88	16125	1055.512	ug/l	98
51) 4-Methyl-2-Pentanone	10.006	43	443819	273.500	ug/l	99
52) Toluene	10.176	92	328633	49.929	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	170870	51.576	ug/l	98
54) cis-1,3-Dichloropropene	9.859	75	196125	50.381	ug/l	100
55) 1,1,2-Trichloroethane	10.579	97	90672	51.850	ug/l	100
56) Ethyl methacrylate	10.444	69	131068	52.229	ug/l	99
57) 1,3-Dichloropropane	10.719	76	159029	51.605	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	350572	280.303	ug/l	98
59) 2-Hexanone	10.768	43	296466	278.776	ug/l	100
60) Dibromochloromethane	10.914	129	115150	51.548	ug/l	98
61) 1,2-Dibromoethane	11.018	107	82633	51.664	ug/l	100
64) Tetrachloroethene	10.652	164	139129	49.996	ug/l	97
65) Chlorobenzene	11.444	112	348132	49.966	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.517	131	119298	50.536	ug/l	99
67) Ethyl Benzene	11.524	91	638589	49.361	ug/l	100
68) m/p-Xylenes	11.633	106	481558	98.178	ug/l	100
69) o-Xylene	11.956	106	228881	49.650	ug/l	99
70) Styrene	11.975	104	386573	50.362	ug/l	99
71) Bromoform	12.133	173	64049	51.798	ug/l #	99
73) Isopropylbenzene	12.261	105	588277	48.614	ug/l	100
74) N-amyl acetate	12.072	43	155489	52.512	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.511	83	96746	50.744	ug/l	100
76) 1,2,3-Trichloropropane	12.560	75	69677m	45.242	ug/l	
77) Bromobenzene	12.536	156	128422	49.315	ug/l	98
78) n-propylbenzene	12.596	91	713880	49.158	ug/l	100
79) 2-Chlorotoluene	12.682	91	386429	49.157	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	466911	49.382	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.310	75	33880	49.749	ug/l	98
82) 4-Chlorotoluene	12.779	91	394525	48.729	ug/l	100
83) tert-Butylbenzene	12.999	119	427128	50.000	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	475831	50.009	ug/l	100
85) sec-Butylbenzene	13.176	105	628418	49.604	ug/l	100
86) p-Isopropyltoluene	13.291	119	523985	49.530	ug/l	100
87) 1,3-Dichlorobenzene	13.291	146	258344	49.305	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	248406	49.582	ug/l	98
89) n-Butylbenzene	13.621	91	500896	50.498	ug/l	99
90) Hexachloroethane	13.883	117	104014	49.407	ug/l	96
91) 1,2-Dichlorobenzene	13.663	146	221206	50.545	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	15413	52.317	ug/l	99
93) 1,2,4-Trichlorobenzene	14.925	180	126513	52.144	ug/l	98
94) Hexachlorobutadiene	15.029	225	63620	49.966	ug/l	98
95) Naphthalene	15.145	128	242310	54.023	ug/l	99
96) 1,2,3-Trichlorobenzene	15.334	180	107266	53.908	ug/l	98

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

