

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042225\
 Data File : VY021955.D
 Acq On : 22 Apr 2025 15:07
 Operator : SY/MD
 Sample : VSTDICC020
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/23/2025
 Supervised By : Mahesh Dadoda 04/23/2025

Quant Time: Apr 23 02:10:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:02:03 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	302781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	479908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	443014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	55629	19.891	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.780%#		
35) Dibromofluoromethane	7.634	113	63419	20.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	40.000%#		
50) Toluene-d8	10.103	98	232431	19.446	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	38.900%#		
62) 4-Bromofluorobenzene	12.408	95	77034	19.144	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.280%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.861	85	49065	19.018	ug/l	94
3) Chloromethane	2.062	50	76990	20.957	ug/l	99
4) Vinyl Chloride	2.202	62	91757	20.326	ug/l	100
5) Bromomethane	2.586	94	81602	20.981	ug/l	95
6) Chloroethane	2.726	64	63501	20.654	ug/l	99
7) Trichlorofluoromethane	3.050	101	119529	20.079	ug/l	97
8) Diethyl Ether	3.452	74	30609	19.755	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.812	101	64172	19.872	ug/l	99
10) Methyl Iodide	4.001	142	73189	19.575	ug/l	100
11) Tert butyl alcohol	4.866	59	16584	108.012	ug/l #	89
12) 1,1-Dichloroethene	3.787	96	58505	19.437	ug/l	97
13) Acrolein	3.653	56	30883	112.069	ug/l	98
14) Allyl chloride	4.379	41	67622	19.294	ug/l	99
15) Acrylonitrile	5.061	53	59926	105.648	ug/l	98
16) Acetone	3.873	43	40190	96.689	ug/l	94
17) Carbon Disulfide	4.098	76	189988	19.796	ug/l	95
18) Methyl Acetate	4.385	43	27988	21.423	ug/l	99
19) Methyl tert-butyl Ether	5.110	73	133523	19.820	ug/l	98
20) Methylene Chloride	4.610	84	69571	19.673	ug/l	96
21) trans-1,2-Dichloroethene	5.110	96	64547	19.148	ug/l	92
22) Diisopropyl ether	6.012	45	159414	20.439	ug/l	96
23) Vinyl Acetate	5.958	43	424128	100.901	ug/l	100
24) 1,1-Dichloroethane	5.915	63	108156	20.006	ug/l	99
25) 2-Butanone	6.896	43	65464	102.688	ug/l	96
26) 2,2-Dichloropropane	6.878	77	92415	19.503	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	73114	19.398	ug/l	97
28) Bromochloromethane	7.244	49	44154	21.027	ug/l	99
29) Tetrahydrofuran	7.262	42	43665	105.459	ug/l	99
30) Chloroform	7.421	83	117934	19.666	ug/l	97
31) Cyclohexane	7.701	56	89380	19.333	ug/l	91
32) 1,1,1-Trichloroethane	7.610	97	108468	19.993	ug/l	98
36) 1,1-Dichloropropene	7.835	75	81459	19.127	ug/l	99
37) Ethyl Acetate	6.982	43	31319	20.755	ug/l	99
38) Carbon Tetrachloride	7.817	117	98308	19.318	ug/l	98
39) Methylcyclohexane	9.109	83	99570	18.578	ug/l	95
40) Benzene	8.079	78	259371	19.482	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.238	41	19946m	23.846	ug/l	
42) 1,2-Dichloroethane	8.158	62	67235	20.398	ug/l	100
43) Isopropyl Acetate	8.195	43	60204	20.495	ug/l #	87
44) Trichloroethene	8.866	130	70896	19.226	ug/l	96
45) 1,2-Dichloropropane	9.140	63	57934	19.678	ug/l	98
46) Dibromomethane	9.225	93	36893	20.018	ug/l	97
47) Bromodichloromethane	9.420	83	89049	19.341	ug/l	99
48) Methyl methacrylate	9.219	41	28211	20.775	ug/l	97
49) 1,4-Dioxane	9.237	88	8497	432.566	ug/l	96
51) 4-Methyl-2-Pentanone	9.999	43	159902	103.844	ug/l	99
52) Toluene	10.170	92	168035	19.499	ug/l	100
53) t-1,3-Dichloropropene	10.390	75	76629	19.404	ug/l	96
54) cis-1,3-Dichloropropene	9.853	75	92726	19.753	ug/l	99
55) 1,1,2-Trichloroethane	10.573	97	50105	20.353	ug/l	99
56) Ethyl methacrylate	10.438	69	55703	19.786	ug/l	99
57) 1,3-Dichloropropane	10.713	76	77652	19.676	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	140435	102.027	ug/l	99
59) 2-Hexanone	10.762	43	104321	102.714	ug/l	98
60) Dibromochloromethane	10.908	129	67988	19.948	ug/l	99
61) 1,2-Dibromoethane	11.012	107	46699	20.093	ug/l	98
64) Tetrachloroethene	10.646	164	81915	19.600	ug/l	98
65) Chlorobenzene	11.438	112	186901	18.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.518	131	66586	19.091	ug/l	99
67) Ethyl Benzene	11.518	91	304501	18.789	ug/l	99
68) m/p-Xylenes	11.627	106	247677	38.407	ug/l	99
69) o-Xylene	11.956	106	112603	18.945	ug/l	100
70) Styrene	11.969	104	191106	19.149	ug/l	99
71) Bromoform	12.133	173	39690	19.573	ug/l #	98
73) Isopropylbenzene	12.255	105	293481	18.570	ug/l	100
74) N-amyl acetate	12.072	43	52325	19.271	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.505	83	52524	19.713	ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	39530m	18.965	ug/l	
77) Bromobenzene	12.530	156	73838	18.490	ug/l	97
78) n-propylbenzene	12.597	91	357438	18.992	ug/l	99
79) 2-Chlorotoluene	12.676	91	206212	18.840	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	247372	18.997	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	16123	19.163	ug/l	96
82) 4-Chlorotoluene	12.773	91	214776	18.876	ug/l	100
83) tert-Butylbenzene	12.999	119	214149	18.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	248902	19.110	ug/l	99
85) sec-Butylbenzene	13.176	105	322522	18.873	ug/l	100
86) p-Isopropyltoluene	13.292	119	271440	18.706	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	150873	18.602	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	151864	18.905	ug/l	99
89) n-Butylbenzene	13.615	91	240816	18.566	ug/l	98
90) Hexachloroethane	13.877	117	58060	18.211	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	135650	19.175	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	8864	20.910	ug/l	89
93) 1,2,4-Trichlorobenzene	14.919	180	74289	18.532	ug/l	99
94) Hexachlorobutadiene	15.023	225	45722	18.538	ug/l	98
95) Naphthalene	15.145	128	121454	18.238	ug/l	100
96) 1,2,3-Trichlorobenzene	15.328	180	64735	18.707	ug/l	98

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

