

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052725\
 Data File : VY022423.D
 Acq On : 27 May 2025 09:36
 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 :Amit Patel 05/28/2025
 Supervised By :Mahesh Dadoda 05/28/2025

Quant Time: May 28 09:49:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052725S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 28 09:30:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	252702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	427651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	358898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	162048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	52229	19.622	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	39.240%#		
35) Dibromofluoromethane	7.640	113	48414	19.331	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	38.660%#		
50) Toluene-d8	10.109	98	199816	19.571	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	39.140%#		
62) 4-Bromofluorobenzene	12.408	95	59022	19.112	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	38.220%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.867	85	53184	22.059	ug/l	100
3) Chloromethane	2.068	50	131430	22.162	ug/l	96
4) Vinyl Chloride	2.208	62	153844	21.354	ug/l	97
5) Bromomethane	2.592	94	141241	21.573	ug/l	99
6) Chloroethane	2.739	64	95915	20.373	ug/l	98
7) Trichlorofluoromethane	3.056	101	123550	20.326	ug/l	99
8) Diethyl Ether	3.458	74	27436	19.575	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.818	101	54677	20.503	ug/l	100
10) Methyl Iodide	4.013	142	61032	20.286	ug/l	100
11) Tert butyl alcohol	4.885	59	18099	96.464	ug/l #	86
12) 1,1-Dichloroethene	3.793	96	53871	20.347	ug/l	99
13) Acrolein	3.659	56	28252	100.498	ug/l	98
14) Allyl chloride	4.391	41	80449	20.200	ug/l	97
15) Acrylonitrile	5.067	53	55206	97.719	ug/l	100
16) Acetone	3.879	43	40769	93.210	ug/l	92
17) Carbon Disulfide	4.110	76	172558	20.423	ug/l	100
18) Methyl Acetate	4.397	43	29942	18.275	ug/l	99
19) Methyl tert-butyl Ether	5.128	73	137123	19.508	ug/l	97
20) Methylene Chloride	4.622	84	58412	18.912	ug/l	99
21) trans-1,2-Dichloroethene	5.122	96	56105	19.411	ug/l	99
22) Diisopropyl ether	6.025	45	175073	19.918	ug/l	99
23) Vinyl Acetate	5.964	43	504103	99.882	ug/l	99
24) 1,1-Dichloroethane	5.927	63	104623	20.143	ug/l	100
25) 2-Butanone	6.902	43	68733	94.358	ug/l	99
26) 2,2-Dichloropropane	6.890	77	94730	20.142	ug/l	97
27) cis-1,2-Dichloroethene	6.896	96	65719	19.640	ug/l	99
28) Bromochloromethane	7.250	49	43955	20.266	ug/l	99
29) Tetrahydrofuran	7.268	42	46611	95.946	ug/l	99
30) Chloroform	7.427	83	103440	20.211	ug/l	96
31) Cyclohexane	7.707	56	100786	19.685	ug/l	93
32) 1,1,1-Trichloroethane	7.628	97	92540	19.923	ug/l	99
36) 1,1-Dichloropropene	7.841	75	77871	19.594	ug/l	99
37) Ethyl Acetate	6.994	43	32871	19.462	ug/l	98
38) Carbon Tetrachloride	7.823	117	80594	19.468	ug/l	94
39) Methylcyclohexane	9.109	83	103224	19.540	ug/l	95
40) Benzene	8.085	78	232606	19.670	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	19136m	8.609	ug/l	
42) 1,2-Dichloroethane	8.158	62	61523	19.699	ug/l	99
43) Isopropyl Acetate	8.201	43	71905	19.483	ug/l #	86
44) Trichloroethene	8.872	130	58860	20.135	ug/l	97
45) 1,2-Dichloropropane	9.146	63	54451	19.598	ug/l	99
46) Dibromomethane	9.237	93	29679	19.122	ug/l	98
47) Bromodichloromethane	9.426	83	76833	19.250	ug/l	97
48) Methyl methacrylate	9.225	41	32925	19.218	ug/l	99
49) 1,4-Dioxane	9.231	88	6923	403.829	ug/l	91
51) 4-Methyl-2-Pentanone	9.999	43	169056	92.837	ug/l	99
52) Toluene	10.176	92	143949	19.489	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	71231	19.160	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	86263	19.747	ug/l	98
55) 1,1,2-Trichloroethane	10.579	97	38684	19.713	ug/l	94
56) Ethyl methacrylate	10.445	69	53900	19.140	ug/l	98
57) 1,3-Dichloropropane	10.719	76	68793	19.893	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	130961	93.311	ug/l	98
59) 2-Hexanone	10.762	43	109954	92.136	ug/l	98
60) Dibromochloromethane	10.914	129	48590	19.384	ug/l	99
61) 1,2-Dibromoethane	11.018	107	35441	19.746	ug/l	100
64) Tetrachloroethene	10.652	164	62224	20.357	ug/l	99
65) Chlorobenzene	11.444	112	150827	19.709	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.518	131	50226	19.371	ug/l	96
67) Ethyl Benzene	11.524	91	275656	19.399	ug/l	98
68) m/p-Xylenes	11.633	106	207724	38.557	ug/l	99
69) o-Xylene	11.956	106	96581	19.075	ug/l	100
70) Styrene	11.969	104	160384	19.023	ug/l	99
71) Bromoform	12.133	173	26368	19.415	ug/l #	100
73) Isopropylbenzene	12.255	105	255754	20.053	ug/l	99
74) N-amyl acetate	12.072	43	61037	19.558	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.505	83	39127	19.472	ug/l	99
76) 1,2,3-Trichloropropane	12.560	75	32290m	12.094	ug/l	
77) Bromobenzene	12.536	156	55641	20.273	ug/l	97
78) n-propylbenzene	12.597	91	306474	20.024	ug/l	100
79) 2-Chlorotoluene	12.682	91	163649	19.752	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	198748	19.944	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.304	75	14257	19.863	ug/l	98
82) 4-Chlorotoluene	12.779	91	171858	20.140	ug/l	99
83) tert-Butylbenzene	12.999	119	179841	19.975	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	196951	19.640	ug/l	100
85) sec-Butylbenzene	13.176	105	263748	19.753	ug/l	99
86) p-Isopropyltoluene	13.292	119	216227	19.393	ug/l	100
87) 1,3-Dichlorobenzene	13.292	146	108479	19.644	ug/l	99
88) 1,4-Dichlorobenzene	13.371	146	104788	19.845	ug/l	98
89) n-Butylbenzene	13.615	91	206658	19.768	ug/l	99
90) Hexachloroethane	13.883	117	44059	19.857	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	92726	20.103	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.279	75	6215	20.016	ug/l	94
93) 1,2,4-Trichlorobenzene	14.919	180	49954	19.535	ug/l	98
94) Hexachlorobutadiene	15.023	225	25718	19.164	ug/l	97
95) Naphthalene	15.145	128	89204	18.870	ug/l	98
96) 1,2,3-Trichlorobenzene	15.328	180	41774	19.919	ug/l	96

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

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