

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053025\
 Data File : VX046409.D
 Acq On : 30 May 2025 10:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/02/2025
 Supervised By : Mahesh Dadoda 06/02/2025

Quant Time: May 30 23:22:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	91458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	155659	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130840	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84132	49.342	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.680%		
35) Dibromofluoromethane	5.373	113	58349	52.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	104.120%		
50) Toluene-d8	8.641	98	191933	49.472	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.940%		
62) 4-Bromofluorobenzene	11.079	95	75501	50.734	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	74890	53.499	ug/l	96
3) Chloromethane	1.301	50	73284	53.985	ug/l	98
4) Vinyl Chloride	1.374	62	66063	52.290	ug/l	99
5) Bromomethane	1.593	94	29432	50.227	ug/l	100
6) Chloroethane	1.666	64	36390	53.955	ug/l	98
7) Trichlorofluoromethane	1.874	101	102733	55.020	ug/l	99
8) Diethyl Ether	2.130	74	32852	51.685	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	64429	55.758	ug/l	98
10) Methyl Iodide	2.441	142	73946	54.083	ug/l	100
11) Tert butyl alcohol	2.971	59	60217	251.596	ug/l	100
12) 1,1-Dichloroethene	2.313	96	58940	54.349	ug/l	96
13) Acrolein	2.233	56	73354	269.119	ug/l	98
14) Allyl chloride	2.654	41	118430	57.140	ug/l	97
15) Acrylonitrile	3.056	53	191001	279.087	ug/l	98
16) Acetone	2.380	43	192269	281.238	ug/l	99
17) Carbon Disulfide	2.502	76	136592	53.127	ug/l	100
18) Methyl Acetate	2.703	43	107277	67.621	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	206503	54.313	ug/l	100
20) Methylene Chloride	2.782	84	65272	49.822	ug/l	97
21) trans-1,2-Dichloroethene	3.081	96	59084	54.176	ug/l	95
22) Diisopropyl ether	3.751	45	224967	56.192	ug/l	99
23) Vinyl Acetate	3.715	43	959795	272.572	ug/l	100
24) 1,1-Dichloroethane	3.599	63	123217	55.257	ug/l	99
25) 2-Butanone	4.544	43	274497	276.566	ug/l	100
26) 2,2-Dichloropropane	4.465	77	95191	54.540	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	71161	54.202	ug/l	99
28) Bromochloromethane	4.885	49	54104	50.407	ug/l	98
29) Tetrahydrofuran	4.995	42	170240	273.726	ug/l	98
30) Chloroform	5.080	83	126809	54.560	ug/l	99
31) Cyclohexane	5.458	56	107618	52.962	ug/l	99
32) 1,1,1-Trichloroethane	5.367	97	108862	54.032	ug/l	99
36) 1,1-Dichloropropene	5.678	75	81871	54.361	ug/l	99
37) Ethyl Acetate	4.702	43	102307	54.982	ug/l	99
38) Carbon Tetrachloride	5.666	117	92271	54.528	ug/l	97
39) Methylcyclohexane	7.373	83	105648	54.488	ug/l	98
40) Benzene	6.025	78	242267	54.919	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	59869	61.507	ug/l	98
42) 1,2-Dichloroethane	6.074	62	103627	54.429	ug/l	99
43) Isopropyl Acetate	6.330	43	159524	56.197	ug/l	99
44) Trichloroethene	7.117	130	58068	54.691	ug/l	94
45) 1,2-Dichloropropane	7.421	63	61502	56.068	ug/l	95
46) Dibromomethane	7.574	93	47561	54.974	ug/l	99
47) Bromodichloromethane	7.812	83	96856	56.841	ug/l	99
48) Methyl methacrylate	7.684	41	83228	57.410	ug/l	99
49) 1,4-Dioxane	7.653	88	28493	1035.118	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	527696	280.055	ug/l	99
52) Toluene	8.714	92	146396	54.121	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	86367	57.024	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	96608	57.712	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	58592	54.934	ug/l	98
56) Ethyl methacrylate	9.110	69	97109	57.126	ug/l	99
57) 1,3-Dichloropropane	9.305	76	102354	53.435	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.232	63	239108	275.903	ug/l	100
59) 2-Hexanone	9.427	43	391463	280.812	ug/l	100
60) Dibromochloromethane	9.519	129	67824	57.902	ug/l	97
61) 1,2-Dibromoethane	9.604	107	61152	55.163	ug/l	99
64) Tetrachloroethene	9.269	164	51973	56.142	ug/l	96
65) Chlorobenzene	10.073	112	154770	54.044	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	55431	56.685	ug/l	99
67) Ethyl Benzene	10.189	91	289173	57.284	ug/l	100
68) m/p-Xylenes	10.299	106	209150	113.281	ug/l	98
69) o-Xylene	10.634	106	102312	56.842	ug/l	98
70) Styrene	10.653	104	173337	58.788	ug/l	99
71) Bromoform	10.793	173	42852	58.367	ug/l #	98
73) Isopropylbenzene	10.957	105	274433	54.621	ug/l	100
74) N-amyl acetate	10.842	43	136906	55.143	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	90062	51.151	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	84137m	54.163	ug/l	
77) Bromobenzene	11.195	156	62435	53.525	ug/l	99
78) n-propylbenzene	11.299	91	326575	55.901	ug/l	100
79) 2-Chlorotoluene	11.360	91	198028	52.554	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	230250	54.855	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	26906	56.390	ug/l	98
82) 4-Chlorotoluene	11.451	91	230030	55.048	ug/l	99
83) tert-Butylbenzene	11.713	119	227701	53.855	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	235959	55.511	ug/l	99
85) sec-Butylbenzene	11.884	105	291277	56.108	ug/l	100
86) p-Isopropyltoluene	12.006	119	243737	56.880	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	116500	54.725	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	115980	53.346	ug/l	100
89) n-Butylbenzene	12.329	91	224309	59.677	ug/l	100
90) Hexachloroethane	12.536	117	43197	57.220	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	114383	53.544	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21197	54.344	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	69193	56.393	ug/l	99
94) Hexachlorobutadiene	13.719	225	30357	56.649	ug/l	97
95) Naphthalene	13.774	128	246917	54.869	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	69047	54.538	ug/l	99

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

