

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052825\
 Data File : VX046373.D
 Acq On : 28 May 2025 10:02
 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 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

Quant Time: May 29 03:30:47 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	5.544	168	90740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	152159	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	79862	47.209	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.420%			
35) Dibromofluoromethane	5.373	113	56606	51.662	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.320%			
50) Toluene-d8	8.641	98	185390	48.885	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.760%			
62) 4-Bromofluorobenzene	11.079	95	73654	50.632	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.260%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	68397	49.248	ug/l	99
3) Chloromethane	1.301	50	63121	46.867	ug/l	98
4) Vinyl Chloride	1.374	62	57720	46.048	ug/l	99
5) Bromomethane	1.593	94	26448	45.491	ug/l	97
6) Chloroethane	1.666	64	33020	49.345	ug/l	99
7) Trichlorofluoromethane	1.874	101	92540	49.954	ug/l	97
8) Diethyl Ether	2.130	74	30385	48.182	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	59846	52.202	ug/l	99
10) Methyl Iodide	2.441	142	63683	46.945	ug/l	99
11) Tert butyl alcohol	2.971	59	55627	234.257	ug/l	98
12) 1,1-Dichloroethene	2.313	96	52150	48.469	ug/l	96
13) Acrolein	2.233	56	76804	284.006	ug/l	99
14) Allyl chloride	2.654	41	104711	50.921	ug/l	99
15) Acrylonitrile	3.056	53	176458	259.877	ug/l	99
16) Acetone	2.380	43	189134	278.841	ug/l	99
17) Carbon Disulfide	2.502	76	106659	41.813	ug/l	100
18) Methyl Acetate	2.703	43	98692	62.702	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	190863	50.597	ug/l	100
20) Methylene Chloride	2.782	84	61306	47.165	ug/l	94
21) trans-1,2-Dichloroethene	3.081	96	52204	48.246	ug/l	97
22) Diisopropyl ether	3.751	45	209387	52.714	ug/l	96
23) Vinyl Acetate	3.715	43	885689	253.517	ug/l	100
24) 1,1-Dichloroethane	3.599	63	113914	51.489	ug/l	100
25) 2-Butanone	4.550	43	258303	262.310	ug/l	98
26) 2,2-Dichloropropane	4.459	77	88382	51.039	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	65023	49.918	ug/l	99
28) Bromochloromethane	4.885	49	53136	49.897	ug/l	99
29) Tetrahydrofuran	4.995	42	154227	249.941	ug/l	99
30) Chloroform	5.080	83	119140	51.666	ug/l	93
31) Cyclohexane	5.458	56	93960	46.606	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	101223	50.638	ug/l	99
36) 1,1-Dichloropropene	5.678	75	73913	50.206	ug/l	99
37) Ethyl Acetate	4.702	43	90927	49.990	ug/l	99
38) Carbon Tetrachloride	5.660	117	86209	52.117	ug/l	100
39) Methylcyclohexane	7.373	83	91148	48.091	ug/l	96
40) Benzene	6.025	78	221588	51.387	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	55147	57.959	ug/l	97
42) 1,2-Dichloroethane	6.074	62	97593	52.438	ug/l	99
43) Isopropyl Acetate	6.330	43	147895	53.299	ug/l	99
44) Trichloroethene	7.117	130	53268	51.325	ug/l	94
45) 1,2-Dichloropropane	7.422	63	58024	54.114	ug/l	97
46) Dibromomethane	7.574	93	44458	52.570	ug/l	99
47) Bromodichloromethane	7.812	83	92747	55.682	ug/l	98
48) Methyl methacrylate	7.684	41	76027	53.649	ug/l	100
49) 1,4-Dioxane	7.653	88	26785	995.451	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	495291	268.904	ug/l	99
52) Toluene	8.714	92	135179	51.124	ug/l	99
53) t-1,3-Dichloropropene	8.970	75	80072	54.084	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	88877	54.314	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	56020	53.731	ug/l	99
56) Ethyl methacrylate	9.110	69	89122	53.634	ug/l	99
57) 1,3-Dichloropropane	9.305	76	97406	52.021	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.232	63	232503	274.453	ug/l	98
59) 2-Hexanone	9.427	43	367741	269.863	ug/l	99
60) Dibromochloromethane	9.519	129	63805	55.724	ug/l	100
61) 1,2-Dibromoethane	9.604	107	56710	52.333	ug/l	99
64) Tetrachloroethene	9.269	164	48255	51.504	ug/l	96
65) Chlorobenzene	10.073	112	147100	50.753	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53715	54.275	ug/l	100
67) Ethyl Benzene	10.189	91	267524	52.364	ug/l	99
68) m/p-Xylenes	10.299	106	196199	105.000	ug/l	99
69) o-Xylene	10.640	106	96373	52.904	ug/l	99
70) Styrene	10.653	104	162911	54.593	ug/l	99
71) Bromoform	10.799	173	40985	55.159	ug/l #	96
73) Isopropylbenzene	10.957	105	261602	52.119	ug/l	100
74) N-amyl acetate	10.842	43	125952	50.781	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	85496	48.606	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	77939m	50.223	ug/l	
77) Bromobenzene	11.195	156	58888	50.535	ug/l	99
78) n-propylbenzene	11.299	91	309574	53.044	ug/l	99
79) 2-Chlorotoluene	11.360	91	187928	49.923	ug/l	100
80) 1,3,5-Trimethylbenzene	11.445	105	218395	52.082	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	25034	52.519	ug/l	99
82) 4-Chlorotoluene	11.451	91	217232	52.037	ug/l	99
83) tert-Butylbenzene	11.713	119	218227	51.665	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	220390	51.899	ug/l	100
85) sec-Butylbenzene	11.890	105	277250	53.459	ug/l	99
86) p-Isopropyltoluene	12.006	119	229920	53.709	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	109217	51.355	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	109348	50.346	ug/l	99
89) n-Butylbenzene	12.329	91	209349	55.752	ug/l	99
90) Hexachloroethane	12.536	117	40814	54.117	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	107798	50.511	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20366	52.265	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	64353	52.500	ug/l	99
94) Hexachlorobutadiene	13.719	225	28493	53.224	ug/l	98
95) Naphthalene	13.774	128	224271	49.886	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	65827	52.046	ug/l	99

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

