

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046933.D
 Acq On : 10 Jul 2025 09:54
 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 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 07:53:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	309661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	506196	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	449744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	208244	50.904	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.800%			
35) Dibromofluoromethane	5.391	113	174249	50.712	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	8.646	98	593543	48.959	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.920%			
62) 4-Bromofluorobenzene	11.079	95	228990	49.699	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	151949	51.309	ug/l	99
3) Chloromethane	1.306	50	164098	50.717	ug/l	95
4) Vinyl Chloride	1.386	62	177948	50.503	ug/l	97
5) Bromomethane	1.623	94	118796	52.473	ug/l	100
6) Chloroethane	1.703	64	116983	50.280	ug/l	98
7) Trichlorofluoromethane	1.904	101	286380	52.565	ug/l	99
8) Diethyl Ether	2.142	74	107924	55.664	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	186453	53.708	ug/l	100
10) Methyl Iodide	2.465	142	206546	54.611	ug/l	99
11) Tert butyl alcohol	2.952	59	81303	303.026	ug/l	100
12) 1,1-Dichloroethene	2.337	96	173641	51.712	ug/l	98
13) Acrolein	2.245	56	86467	291.173	ug/l	100
14) Allyl chloride	2.678	41	322811	53.998	ug/l	99
15) Acrylonitrile	3.068	53	449828	289.980	ug/l	99
16) Acetone	2.385	43	366304	288.263	ug/l	100
17) Carbon Disulfide	2.526	76	412212	46.811	ug/l	100
18) Methyl Acetate	2.709	43	215920	64.467	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	553871	58.411	ug/l	99
20) Methylene Chloride	2.800	84	205618	54.721	ug/l	99
21) trans-1,2-Dichloroethene	3.099	96	180079	52.410	ug/l	97
22) Diisopropyl ether	3.763	45	670716	58.072	ug/l	96
23) Vinyl Acetate	3.727	43	2477454	286.319	ug/l	100
24) 1,1-Dichloroethane	3.617	63	357940	54.341	ug/l	99
25) 2-Butanone	4.550	43	500177	295.023	ug/l	99
26) 2,2-Dichloropropane	4.483	77	260044	53.046	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	224062	53.411	ug/l	100
28) Bromochloromethane	4.903	49	174450	53.663	ug/l	98
29) Tetrahydrofuran	5.001	42	319193	295.346	ug/l	99
30) Chloroform	5.098	83	366588	54.475	ug/l	99
31) Cyclohexane	5.476	56	293928	50.264	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	299014	53.185	ug/l	99
36) 1,1-Dichloropropene	5.702	75	233003	50.259	ug/l	98
37) Ethyl Acetate	4.714	43	204824	51.873	ug/l	99
38) Carbon Tetrachloride	5.677	117	260404	53.130	ug/l	98
39) Methylcyclohexane	7.378	83	289659	49.948	ug/l	98
40) Benzene	6.037	78	738545	52.669	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	131689	62.520	ug/l	96
42) 1,2-Dichloroethane	6.086	62	262211	55.069	ug/l	99
43) Isopropyl Acetate	6.336	43	354544	58.622	ug/l	100
44) Trichloroethene	7.122	130	185363	50.782	ug/l	96
45) 1,2-Dichloropropane	7.427	63	191861	54.156	ug/l	97
46) Dibromomethane	7.580	93	133790	54.505	ug/l	100
47) Bromodichloromethane	7.817	83	291450	55.607	ug/l	99
48) Methyl methacrylate	7.689	41	183752	58.841	ug/l	98
49) 1,4-Dioxane	7.659	88	45551	1258.852	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	1050082	294.193	ug/l	100
52) Toluene	8.714	92	458577	52.775	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	268066	57.309	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	300493	56.281	ug/l	97
55) 1,1,2-Trichloroethane	9.146	97	181961	56.221	ug/l	98
56) Ethyl methacrylate	9.116	69	261996	58.487	ug/l	99
57) 1,3-Dichloropropane	9.305	76	307072	55.100	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	750523	297.352	ug/l	99
59) 2-Hexanone	9.427	43	714728	301.884	ug/l	99
60) Dibromochloromethane	9.518	129	217275	56.096	ug/l	98
61) 1,2-Dibromoethane	9.610	107	182626	56.184	ug/l	100
64) Tetrachloroethene	9.274	164	154054	51.447	ug/l	91
65) Chlorobenzene	10.079	112	519904	53.468	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	182763	55.912	ug/l	100
67) Ethyl Benzene	10.189	91	895395	53.771	ug/l	99
68) m/p-Xylenes	10.299	106	673223	107.290	ug/l	99
69) o-Xylene	10.640	106	328951	54.271	ug/l	99
70) Styrene	10.652	104	575709	55.516	ug/l	100
71) Bromoform	10.799	173	139236	57.288	ug/l #	97
73) Isopropylbenzene	10.957	105	877918	54.059	ug/l	99
74) N-amyl acetate	10.841	43	314316	56.957	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	247309	55.381	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	196306m	54.995	ug/l	
77) Bromobenzene	11.195	156	214087	52.925	ug/l	98
78) n-propylbenzene	11.298	91	1034484	52.828	ug/l	99
79) 2-Chlorotoluene	11.359	91	601179	51.994	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	711235	53.899	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	73354	55.146	ug/l	97
82) 4-Chlorotoluene	11.451	91	713998	53.511	ug/l	100
83) tert-Butylbenzene	11.713	119	732365	53.736	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	714758	53.589	ug/l	97
85) sec-Butylbenzene	11.890	105	903499	52.579	ug/l	100
86) p-Isopropyltoluene	12.006	119	757887	52.668	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	398386	52.660	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	402250	51.089	ug/l	100
89) n-Butylbenzene	12.329	91	710200	52.526	ug/l	100
90) Hexachloroethane	12.536	117	135916	53.280	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	386093	52.664	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	44132	56.504	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	262781	52.762	ug/l	99
94) Hexachlorobutadiene	13.725	225	95431	50.808	ug/l	99
95) Naphthalene	13.774	128	748433	57.028	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	253738	53.919	ug/l	99

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

