

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046804.D
 Acq On : 23 Jun 2025 09:03
 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 :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 03:58:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	146834	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	235057	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	202524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	98257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92512	45.551	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.100%		
35) Dibromofluoromethane	5.391	113	79584	51.172	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.340%		
50) Toluene-d8	8.647	98	276652	49.512	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.020%		
62) 4-Bromofluorobenzene	11.079	95	101286	48.629	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	88128	56.217	ug/l	97
3) Chloromethane	1.307	50	93656	55.350	ug/l	95
4) Vinyl Chloride	1.386	62	99796	55.308	ug/l	96
5) Bromomethane	1.624	94	59115	58.231	ug/l	97
6) Chloroethane	1.703	64	61846	56.552	ug/l	95
7) Trichlorofluoromethane	1.904	101	149124	54.430	ug/l	100
8) Diethyl Ether	2.142	74	50078	53.260	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	91683	54.548	ug/l	100
10) Methyl Iodide	2.465	142	101812	48.530	ug/l	99
11) Tert butyl alcohol	2.953	59	31438	172.461	ug/l	98
12) 1,1-Dichloroethene	2.331	96	87969	54.240	ug/l	97
13) Acrolein	2.245	56	92008	346.520	ug/l	98
14) Allyl chloride	2.678	41	154655	52.630	ug/l	99
15) Acrylonitrile	3.068	53	184751	225.392	ug/l	99
16) Acetone	2.380	43	154783	228.536	ug/l	99
17) Carbon Disulfide	2.526	76	246676	50.366	ug/l	99
18) Methyl Acetate	2.709	43	75517	43.900	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	241767	47.875	ug/l	99
20) Methylene Chloride	2.800	84	94817	50.341	ug/l	99
21) trans-1,2-Dichloroethene	3.099	96	90453	52.122	ug/l	98
22) Diisopropyl ether	3.763	45	301204	53.327	ug/l	90
23) Vinyl Acetate	3.727	43	1109650	247.056	ug/l	100
24) 1,1-Dichloroethane	3.617	63	166438	51.900	ug/l	98
25) 2-Butanone	4.556	43	193065	201.555	ug/l	100
26) 2,2-Dichloropropane	4.477	77	125707	53.746	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	103813	50.918	ug/l	99
28) Bromochloromethane	4.903	49	73076	50.263	ug/l	98
29) Tetrahydrofuran	5.001	42	128218	207.237	ug/l	100
30) Chloroform	5.092	83	165250	51.527	ug/l	99
31) Cyclohexane	5.476	56	150290	49.418	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	142990	50.837	ug/l	100
36) 1,1-Dichloropropene	5.696	75	114664	51.075	ug/l	98
37) Ethyl Acetate	4.714	43	86857	41.914	ug/l	99
38) Carbon Tetrachloride	5.678	117	125892	51.672	ug/l	98
39) Methylcyclohexane	7.379	83	150495	50.941	ug/l	98
40) Benzene	6.037	78	345812	52.048	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	53042	48.013	ug/l	96
42) 1,2-Dichloroethane	6.086	62	116825	50.037	ug/l	99
43) Isopropyl Acetate	6.336	43	147419	45.462	ug/l	100
44) Trichloroethene	7.123	130	87427	51.634	ug/l	98
45) 1,2-Dichloropropane	7.427	63	86286	52.402	ug/l	95
46) Dibromomethane	7.580	93	59064	49.911	ug/l	99
47) Bromodichloromethane	7.818	83	126767	52.493	ug/l	98
48) Methyl methacrylate	7.690	41	75000	46.117	ug/l	99
49) 1,4-Dioxane	7.653	88	17473	745.941	ug/l	94
51) 4-Methyl-2-Pentanone	8.567	43	415614	214.897	ug/l	100
52) Toluene	8.714	92	211065	51.243	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	116830	52.141	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	133537	52.498	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	76157	49.615	ug/l	99
56) Ethyl methacrylate	9.110	69	107156	47.291	ug/l	99
57) 1,3-Dichloropropane	9.305	76	129750	49.086	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	304045	258.318	ug/l	100
59) 2-Hexanone	9.427	43	278482	208.280	ug/l	100
60) Dibromochloromethane	9.518	129	93084	51.459	ug/l	99
61) 1,2-Dibromoethane	9.604	107	75741	48.510	ug/l	100
64) Tetrachloroethene	9.268	164	72399	51.598	ug/l	97
65) Chlorobenzene	10.073	112	230003	51.448	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	79038	52.604	ug/l	99
67) Ethyl Benzene	10.189	91	404275	51.755	ug/l	100
68) m/p-Xylenes	10.299	106	302467	103.920	ug/l	100
69) o-Xylene	10.640	106	146047	53.542	ug/l	96
70) Styrene	10.652	104	250562	52.489	ug/l	99
71) Bromoform	10.799	173	56058	48.991	ug/l #	98
73) Isopropylbenzene	10.957	105	382531	52.861	ug/l	100
74) N-amyl acetate	10.841	43	125317	45.706	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	96662	47.837	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	89591m	49.784	ug/l	
77) Bromobenzene	11.195	156	92016	52.840	ug/l	99
78) n-propylbenzene	11.299	91	458313	53.321	ug/l	100
79) 2-Chlorotoluene	11.360	91	264291	51.500	ug/l	99
80) 1,3,5-Trimethylbenzene	11.445	105	313514	52.720	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	28704	45.085	ug/l #	93
82) 4-Chlorotoluene	11.451	91	306673	51.204	ug/l	99
83) tert-Butylbenzene	11.713	119	320759	52.181	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	312089	52.235	ug/l	99
85) sec-Butylbenzene	11.890	105	406982	52.387	ug/l	99
86) p-Isopropyltoluene	12.006	119	340216	51.903	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	169352	49.876	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	168469	48.305	ug/l	99
89) n-Butylbenzene	12.329	91	322554	51.827	ug/l	100
90) Hexachloroethane	12.536	117	59873	52.161	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	160803	50.678	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16661	41.765	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	114007	50.539	ug/l	100
94) Hexachlorobutadiene	13.719	225	47425	49.977	ug/l	98
95) Naphthalene	13.774	128	294937	45.891	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	107101	49.627	ug/l	98

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

