

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052325\
 Data File : VX046334.D
 Acq On : 23 May 2025 10:57
 Operator : JC/MD
 Sample : VX0523WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0523WBS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/26/2025
 Supervised By :Mahesh Dadoda 05/26/2025

Quant Time: May 23 22:57:36 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	88801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	154286	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65596	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83672	50.541	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.080%			
35) Dibromofluoromethane	5.379	113	58176	52.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.720%			
50) Toluene-d8	8.641	98	194812	50.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.320%			
62) 4-Bromofluorobenzene	11.079	95	75851	51.423	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.840%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26885	19.781	ug/l	99
3) Chloromethane	1.307	50	24599	18.663	ug/l	98
4) Vinyl Chloride	1.374	62	21875	17.833	ug/l	99
5) Bromomethane	1.599	94	10427	18.326	ug/l	95
6) Chloroethane	1.672	64	12552	19.167	ug/l	95
7) Trichlorofluoromethane	1.880	101	36086	19.905	ug/l	98
8) Diethyl Ether	2.130	74	11857	19.212	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.319	101	22550	20.099	ug/l	99
10) Methyl Iodide	2.447	142	23690	17.845	ug/l	97
11) Tert butyl alcohol	2.965	59	24727	106.404	ug/l	100
12) 1,1-Dichloroethene	2.312	96	20358	19.334	ug/l	98
13) Acrolein	2.233	56	22886	86.476	ug/l	99
14) Allyl chloride	2.654	41	40722	20.236	ug/l	98
15) Acrylonitrile	3.056	53	69823	105.077	ug/l	98
16) Acetone	2.380	43	66843	100.699	ug/l	100
17) Carbon Disulfide	2.508	76	38442	15.399	ug/l	97
18) Methyl Acetate	2.703	43	37888	24.597	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	76286	20.665	ug/l	98
20) Methylene Chloride	2.782	84	23645	18.588	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	20167	19.045	ug/l	97
22) Diisopropyl ether	3.751	45	81936	21.078	ug/l #	82
23) Vinyl Acetate	3.715	43	344264	100.693	ug/l	100
24) 1,1-Dichloroethane	3.605	63	43994	20.320	ug/l	98
25) 2-Butanone	4.550	43	101247	105.062	ug/l	98
26) 2,2-Dichloropropane	4.471	77	32985	19.464	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	26053	20.438	ug/l	99
28) Bromochloromethane	4.891	49	23073	22.139	ug/l	95
29) Tetrahydrofuran	5.001	42	64602	106.980	ug/l	98
30) Chloroform	5.086	83	47289	20.955	ug/l	95
31) Cyclohexane	5.458	56	37029	18.768	ug/l	99
32) 1,1,1-Trichloroethane	5.373	97	39986	20.440	ug/l	98
36) 1,1-Dichloropropene	5.684	75	28160	18.864	ug/l	97
37) Ethyl Acetate	4.708	43	37243	20.193	ug/l	100
38) Carbon Tetrachloride	5.665	117	34138	20.354	ug/l	97
39) Methylcyclohexane	7.373	83	35346	18.392	ug/l	95
40) Benzene	6.031	78	88565	20.255	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	21949	22.750	ug/l	98
42) 1,2-Dichloroethane	6.080	62	39039	20.687	ug/l	98
43) Isopropyl Acetate	6.336	43	58465	20.779	ug/l	98
44) Trichloroethene	7.116	130	20856	19.818	ug/l	99
45) 1,2-Dichloropropane	7.427	63	22887	21.051	ug/l	95
46) Dibromomethane	7.574	93	17401	20.292	ug/l	99
47) Bromodichloromethane	7.818	83	35210	20.847	ug/l	97
48) Methyl methacrylate	7.690	41	30700	21.365	ug/l	99
49) 1,4-Dioxane	7.659	88	11623	426.008	ug/l	99
51) 4-Methyl-2-Pentanone	8.567	43	204759	109.635	ug/l	98
52) Toluene	8.714	92	54660	20.387	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	29346	19.548	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	34425	20.748	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	23071	21.823	ug/l	99
56) Ethyl methacrylate	9.110	69	35941	21.331	ug/l	99
57) 1,3-Dichloropropane	9.305	76	38963	20.522	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	92851	108.093	ug/l	100
59) 2-Hexanone	9.427	43	150965	109.257	ug/l	98
60) Dibromochloromethane	9.518	129	24359	20.981	ug/l	98
61) 1,2-Dibromoethane	9.604	107	22797	20.748	ug/l	99
64) Tetrachloroethene	9.269	164	19995	20.878	ug/l	94
65) Chlorobenzene	10.073	112	59694	20.149	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	20790	20.551	ug/l	99
67) Ethyl Benzene	10.189	91	105906	20.280	ug/l	100
68) m/p-Xylenes	10.299	106	77627	40.642	ug/l	96
69) o-Xylene	10.640	106	38262	20.548	ug/l	96
70) Styrene	10.652	104	63992	20.979	ug/l	98
71) Bromoform	10.799	173	14711	19.369	ug/l #	97
73) Isopropylbenzene	10.957	105	103395	20.246	ug/l	99
74) N-amyl acetate	10.841	43	50382	19.965	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36107	20.176	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	31390m	19.881	ug/l	
77) Bromobenzene	11.195	156	23688	19.979	ug/l	100
78) n-propylbenzene	11.299	91	120436	20.282	ug/l	99
79) 2-Chlorotoluene	11.360	91	76565	19.991	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	88181	20.669	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9236	19.044	ug/l	95
82) 4-Chlorotoluene	11.451	91	86969	20.476	ug/l	99
83) tert-Butylbenzene	11.713	119	86219	20.063	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	88916	20.580	ug/l	100
85) sec-Butylbenzene	11.890	105	108908	20.640	ug/l	99
86) p-Isopropyltoluene	12.006	119	88860	20.402	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	43379	20.048	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	43812	19.826	ug/l	98
89) n-Butylbenzene	12.329	91	76398	19.997	ug/l	99
90) Hexachloroethane	12.536	117	14567	18.984	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	44827	20.645	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8025	20.242	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	24140	19.356	ug/l	99
94) Hexachlorobutadiene	13.725	225	11016	20.225	ug/l	99
95) Naphthalene	13.774	128	87267	19.079	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	24990	19.420	ug/l	98

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

