

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047312.D
 Acq On : 13 Aug 2025 11:24
 Operator : JC/MD
 Sample : VX0813WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0813WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

Quant Time: Aug 14 03:25:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	201153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	351465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	166290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	137106	54.717	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.440%	
35) Dibromofluoromethane	5.397	113	120946	55.734	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 111.460%	
50) Toluene-d8	8.653	98	340158	48.402	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.800%	
62) 4-Bromofluorobenzene	11.079	95	164675	54.374	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.740%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	50552	18.920	ug/l	99
3) Chloromethane	1.313	50	50910	19.263	ug/l	99
4) Vinyl Chloride	1.392	62	58156	20.470	ug/l	99
5) Bromomethane	1.630	94	29650	19.212	ug/l	96
6) Chloroethane	1.709	64	35844	19.210	ug/l	97
7) Trichlorofluoromethane	1.904	101	82128	19.387	ug/l	99
8) Diethyl Ether	2.148	74	32810	21.966	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	47828	18.739	ug/l	98
10) Methyl Iodide	2.471	142	77812	29.914	ug/l	98
11) Tert butyl alcohol	2.965	59	29334	93.714	ug/l	99
12) 1,1-Dichloroethene	2.337	96	50671	20.045	ug/l	95
13) Acrolein	2.252	56	75081	139.160	ug/l	99
14) Allyl chloride	2.678	41	90565	19.819	ug/l	99
15) Acrylonitrile	3.081	53	134855	112.844	ug/l	100
16) Acetone	2.392	43	109769	109.353	ug/l	99
17) Carbon Disulfide	2.532	76	138145	18.890	ug/l	99
18) Methyl Acetate	2.721	43	67472	25.293	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	170912	22.215	ug/l	99
20) Methylene Chloride	2.806	84	60670	21.969	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	53110	20.531	ug/l	93
22) Diisopropyl ether	3.776	45	189542	21.575	ug/l	93
23) Vinyl Acetate	3.733	43	777071	110.278	ug/l	100
24) 1,1-Dichloroethane	3.630	63	103292	21.143	ug/l	98
25) 2-Butanone	4.574	43	155750	106.560	ug/l	93
26) 2,2-Dichloropropane	4.495	77	73431	19.417	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	64021	20.900	ug/l	99
28) Bromochloromethane	4.910	49	53405	23.761	ug/l	99
29) Tetrahydrofuran	5.026	42	97737	103.638	ug/l	96
30) Chloroform	5.105	83	106952	21.507	ug/l	98
31) Cyclohexane	5.489	56	83355	17.795	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	87950	20.362	ug/l	99
36) 1,1-Dichloropropene	5.708	75	68123	18.416	ug/l	97
37) Ethyl Acetate	4.727	43	79295	23.264	ug/l	97
38) Carbon Tetrachloride	5.690	117	75937	19.234	ug/l	97
39) Methylcyclohexane	7.385	83	77955	16.879	ug/l	95
40) Benzene	6.050	78	221589	20.699	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	36004	20.202	ug/l #	90
42) 1,2-Dichloroethane	6.099	62	83097	22.036	ug/l	99
43) Isopropyl Acetate	6.349	43	115740	21.781	ug/l	99
44) Trichloroethene	7.129	130	53800	19.598	ug/l	99
45) 1,2-Dichloropropane	7.434	63	55625	20.747	ug/l	93
46) Dibromomethane	7.586	93	41993	22.334	ug/l	99
47) Bromodichloromethane	7.824	83	84762	21.180	ug/l	96
48) Methyl methacrylate	7.702	41	59981	20.720	ug/l	99
49) 1,4-Dioxane	7.684	88	12726	386.524	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	356346	112.824	ug/l	99
52) Toluene	8.720	92	135372	20.566	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	74453	19.701	ug/l	94
54) cis-1,3-Dichloropropene	8.373	75	84401	20.406	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	54901	22.240	ug/l	97
56) Ethyl methacrylate	9.122	69	80865	22.128	ug/l	98
57) 1,3-Dichloropropane	9.311	76	93007	21.679	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	199555	98.129	ug/l	100
59) 2-Hexanone	9.433	43	247091	118.411	ug/l	99
60) Dibromochloromethane	9.519	129	63101	21.795	ug/l	100
61) 1,2-Dibromoethane	9.610	107	56802	22.006	ug/l	99
64) Tetrachloroethene	9.275	164	44694	19.291	ug/l	94
65) Chlorobenzene	10.080	112	151282	20.093	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	52881	20.861	ug/l	98
67) Ethyl Benzene	10.195	91	258375	19.627	ug/l	99
68) m/p-Xylenes	10.299	106	198849	40.364	ug/l	98
69) o-Xylene	10.640	106	94390	20.141	ug/l	98
70) Styrene	10.653	104	166666	20.739	ug/l	99
71) Bromoform	10.799	173	40688	21.130	ug/l #	98
73) Isopropylbenzene	10.964	105	247425	18.860	ug/l	99
74) N-amyl acetate	10.842	43	101822	19.236	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	79675	21.261	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	62793m	20.401	ug/l	
77) Bromobenzene	11.195	156	63857	20.293	ug/l	96
78) n-propylbenzene	11.305	91	294861	18.808	ug/l	100
79) 2-Chlorotoluene	11.360	91	182451	19.469	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	207773	19.170	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10307	8.627	ug/l	96
82) 4-Chlorotoluene	11.451	91	215901	19.738	ug/l	99
83) tert-Butylbenzene	11.713	119	202063	18.575	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	207952	19.236	ug/l	99
85) sec-Butylbenzene	11.890	105	246647	18.146	ug/l	99
86) p-Isopropyltoluene	12.006	119	209624	18.597	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	119434	19.976	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	120773	19.938	ug/l	98
89) n-Butylbenzene	12.329	91	188398	17.823	ug/l	98
90) Hexachloroethane	12.536	117	35864	17.786	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	113345	19.835	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15204	21.136	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	73212	19.391	ug/l	98
94) Hexachlorobutadiene	13.719	225	21890	17.048	ug/l	97
95) Naphthalene	13.774	128	221152	19.981	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	67706	18.614	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

