

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
 Data File : VX047537.D
 Acq On : 27 Aug 2025 13:41
 Operator : JC/MD
 Sample : VX0827WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0827WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/28/2025
 Supervised By : Mahesh Dadoda 08/28/2025

Quant Time: Aug 28 01:18:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	218139	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	392410	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	195246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178549	58.485	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.960%			
35) Dibromofluoromethane	5.391	113	137709	54.072	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	8.647	98	466188	51.213	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.420%			
62) 4-Bromofluorobenzene	11.079	95	189576	56.436	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	44695	16.073	ug/l	100
3) Chloromethane	1.313	50	43009	17.193	ug/l	99
4) Vinyl Chloride	1.392	62	52001	16.562	ug/l	98
5) Bromomethane	1.624	94	25348	19.987	ug/l	99
6) Chloroethane	1.703	64	32776	17.061	ug/l	95
7) Trichlorofluoromethane	1.904	101	79216	17.057	ug/l	99
8) Diethyl Ether	2.148	74	32851	20.088	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	46933	17.421	ug/l	99
10) Methyl Iodide	2.471	142	58486	12.668	ug/l	97
11) Tert butyl alcohol	2.959	59	31549	118.790	ug/l	96
12) 1,1-Dichloroethene	2.337	96	48588	17.691	ug/l	99
13) Acrolein	2.246	56	48727	86.913	ug/l	100
14) Allyl chloride	2.678	41	92238	19.336	ug/l	96
15) Acrylonitrile	3.081	53	133496	104.020	ug/l	100
16) Acetone	2.392	43	109278	95.228	ug/l	98
17) Carbon Disulfide	2.526	76	124366	15.006	ug/l	99
18) Methyl Acetate	2.715	43	70814	23.813	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	174127	20.840	ug/l	100
20) Methylene Chloride	2.800	84	59045	19.431	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	53594	18.385	ug/l	94
22) Diisopropyl ether	3.770	45	198297	21.029	ug/l	95
23) Vinyl Acetate	3.733	43	772606	99.964	ug/l	99
24) 1,1-Dichloroethane	3.623	63	104969	19.695	ug/l	99
25) 2-Butanone	4.568	43	164162	109.230	ug/l	99
26) 2,2-Dichloropropane	4.483	77	71363	17.740	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	66750	19.660	ug/l	97
28) Bromochloromethane	4.910	49	52618	23.724	ug/l	99
29) Tetrahydrofuran	5.019	42	104663	107.746	ug/l	97
30) Chloroform	5.099	83	110695	20.350	ug/l	100
31) Cyclohexane	5.483	56	78628	16.003	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	87674	18.726	ug/l	98
36) 1,1-Dichloropropene	5.702	75	67693	16.838	ug/l	99
37) Ethyl Acetate	4.727	43	73144	17.525	ug/l	99
38) Carbon Tetrachloride	5.684	117	74829	17.033	ug/l	94
39) Methylcyclohexane	7.385	83	68058	13.572	ug/l	91
40) Benzene	6.044	78	223797	18.598	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	34540	19.625	ug/l	98
42) 1,2-Dichloroethane	6.092	62	82469	19.348	ug/l	98
43) Isopropyl Acetate	6.342	43	118814	19.816	ug/l	99
44) Trichloroethene	7.129	130	53187	17.262	ug/l	98
45) 1,2-Dichloropropane	7.434	63	58052	19.257	ug/l	98
46) Dibromomethane	7.586	93	42228	19.295	ug/l	98
47) Bromodichloromethane	7.824	83	87142	19.206	ug/l	97
48) Methyl methacrylate	7.696	41	58947	18.940	ug/l	99
49) 1,4-Dioxane	7.684	88	14127	466.933	ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	352612	102.196	ug/l	97
52) Toluene	8.720	92	138385	18.611	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	76981	19.440	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	88286	19.697	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	57173	20.251	ug/l	94
56) Ethyl methacrylate	9.116	69	81349	19.544	ug/l	97
57) 1,3-Dichloropropane	9.305	76	94781	19.702	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	194539	102.961	ug/l	98
59) 2-Hexanone	9.433	43	235255	98.569	ug/l	99
60) Dibromochloromethane	9.519	129	66326	19.768	ug/l	100
61) 1,2-Dibromoethane	9.610	107	56333	19.350	ug/l	99
64) Tetrachloroethene	9.275	164	44127	16.641	ug/l	99
65) Chlorobenzene	10.080	112	156136	17.922	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54825	18.616	ug/l	99
67) Ethyl Benzene	10.189	91	263204	17.553	ug/l	100
68) m/p-Xylenes	10.299	106	198960	35.585	ug/l	99
69) o-Xylene	10.640	106	97985	18.211	ug/l	96
70) Styrene	10.653	104	172999	19.029	ug/l	99
71) Bromoform	10.799	173	43131	19.494	ug/l #	99
73) Isopropylbenzene	10.957	105	246776	16.151	ug/l	99
74) N-amyl acetate	10.842	43	101989	17.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	80428	17.929	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	63182m	17.644	ug/l	
77) Bromobenzene	11.195	156	65376	17.523	ug/l	98
78) n-propylbenzene	11.305	91	295153	16.175	ug/l	100
79) 2-Chlorotoluene	11.360	91	185904	16.853	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	204537	16.270	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11378	19.504	ug/l	98
82) 4-Chlorotoluene	11.451	91	215079	16.541	ug/l	100
83) tert-Butylbenzene	11.713	119	199164	15.880	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	208354	16.573	ug/l	99
85) sec-Butylbenzene	11.890	105	238005	15.310	ug/l	100
86) p-Isopropyltoluene	12.006	119	199010	15.129	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	117664	16.508	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	122868	16.761	ug/l	100
89) n-Butylbenzene	12.329	91	178902	14.622	ug/l	99
90) Hexachloroethane	12.536	117	35952	15.579	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	117043	17.300	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14123	16.279	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	67390	14.859	ug/l	99
94) Hexachlorobutadiene	13.725	225	20217	12.523	ug/l	99
95) Naphthalene	13.774	128	202191	15.600	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	63335	14.815	ug/l	99

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

