

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061225\
 Data File : VX046662.D
 Acq On : 12 Jun 2025 14:26
 Operator : JC/MD
 Sample : VX0612WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0612WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/13/2025
 Supervised By : Mahesh Dadoda 06/13/2025

Quant Time: Jun 13 01:43:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	77335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	133427	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65393	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	61672	44.824	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.640%		
35) Dibromofluoromethane	5.409	113	48780	49.714	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.420%		
50) Toluene-d8	8.653	98	156263	48.305	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.600%		
62) 4-Bromofluorobenzene	11.079	95	67540	50.462	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	100.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	15159	14.119	ug/l	96
3) Chloromethane	1.307	50	14237	14.568	ug/l	97
4) Vinyl Chloride	1.386	62	14877	15.271	ug/l	96
5) Bromomethane	1.624	94	10127	17.124	ug/l	98
6) Chloroethane	1.709	64	10193	16.126	ug/l	96
7) Trichlorofluoromethane	1.904	101	25875	16.053	ug/l	97
8) Diethyl Ether	2.148	74	9926	17.429	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.349	101	17146	16.884	ug/l	94
10) Methyl Iodide	2.471	142	16573	15.055	ug/l	97
11) Tert butyl alcohol	2.971	59	15766	103.268	ug/l	99
12) 1,1-Dichloroethene	2.337	96	15836	17.248	ug/l	90
13) Acrolein	2.252	56	10925	82.071	ug/l	97
14) Allyl chloride	2.684	41	31675	17.566	ug/l	92
15) Acrylonitrile	3.081	53	62440	108.170	ug/l	99
16) Acetone	2.398	43	52285	99.588	ug/l	95
17) Carbon Disulfide	2.532	76	30557	15.813	ug/l	99
18) Methyl Acetate	2.721	43	37422	22.834	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	65699	20.450	ug/l	99
20) Methylene Chloride	2.806	84	20169	18.272	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	16904	17.397	ug/l	96
22) Diisopropyl ether	3.782	45	69021	19.415	ug/l #	77
23) Vinyl Acetate	3.739	43	275263	100.288	ug/l	98
24) 1,1-Dichloroethane	3.629	63	36498	18.421	ug/l	98
25) 2-Butanone	4.574	43	81745	106.728	ug/l	96
26) 2,2-Dichloropropane	4.501	77	26479	18.002	ug/l	99
27) cis-1,2-Dichloroethene	4.513	96	22731	19.004	ug/l	94
28) Bromochloromethane	4.916	49	24813	26.256	ug/l	94
29) Tetrahydrofuran	5.025	42	51560	106.594	ug/l	97
30) Chloroform	5.117	83	40022	19.278	ug/l	98
31) Cyclohexane	5.489	56	26131	16.337	ug/l	98
32) 1,1,1-Trichloroethane	5.403	97	32623	18.370	ug/l	96
36) 1,1-Dichloropropene	5.708	75	23651	16.874	ug/l	97
37) Ethyl Acetate	4.739	43	31194m	22.803	ug/l	
38) Carbon Tetrachloride	5.696	117	27030	17.218	ug/l	95
39) Methylcyclohexane	7.391	83	27000	16.321	ug/l	96
40) Benzene	6.056	78	75001	19.008	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	17391	20.473	ug/l	92
42) 1,2-Dichloroethane	6.104	62	31275	19.052	ug/l	97
43) Isopropyl Acetate	6.354	43	48318	20.261	ug/l	98
44) Trichloroethene	7.135	130	18936	18.888	ug/l	99
45) 1,2-Dichloropropane	7.446	63	20974	20.594	ug/l	99
46) Dibromomethane	7.586	93	15538	20.280	ug/l	97
47) Bromodichloromethane	7.830	83	31910	20.255	ug/l	100
48) Methyl methacrylate	7.702	41	24860	20.261	ug/l	93
49) 1,4-Dioxane	7.671	88	7152	435.873	ug/l	99
51) 4-Methyl-2-Pentanone	8.580	43	169429	111.801	ug/l	98
52) Toluene	8.726	92	47973	19.790	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	28068	19.871	ug/l	94
54) cis-1,3-Dichloropropene	8.372	75	31374	19.977	ug/l #	86
55) 1,1,2-Trichloroethane	9.159	97	21487	22.080	ug/l	97
56) Ethyl methacrylate	9.122	69	33081	22.090	ug/l	91
57) 1,3-Dichloropropane	9.311	76	34906	20.297	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	88144	108.060	ug/l	97
59) 2-Hexanone	9.433	43	122560	112.765	ug/l	95
60) Dibromochloromethane	9.525	129	24681	21.562	ug/l	97
61) 1,2-Dibromoethane	9.610	107	21425	21.128	ug/l	98
64) Tetrachloroethene	9.275	164	15466	18.523	ug/l	92
65) Chlorobenzene	10.079	112	55650	18.950	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	20124	20.279	ug/l	98
67) Ethyl Benzene	10.195	91	93152	18.170	ug/l	99
68) m/p-Xylenes	10.305	106	71271	38.324	ug/l	95
69) o-Xylene	10.640	106	34941	19.425	ug/l	97
70) Styrene	10.659	104	62281	20.227	ug/l	96
71) Bromoform	10.799	173	16530	21.846	ug/l #	100
73) Isopropylbenzene	10.963	105	94452	18.374	ug/l	99
74) N-amyl acetate	10.841	43	43589	19.255	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	34369	20.888	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	27152m	19.603	ug/l	
77) Bromobenzene	11.201	156	23326	19.550	ug/l	93
78) n-propylbenzene	11.305	91	111370	17.900	ug/l	98
79) 2-Chlorotoluene	11.366	91	67642	18.028	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	79297	18.512	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	9232	19.227	ug/l	93
82) 4-Chlorotoluene	11.457	91	80597	18.123	ug/l	95
83) tert-Butylbenzene	11.713	119	83097	19.056	ug/l	94
84) 1,2,4-Trimethylbenzene	11.750	105	80595	18.598	ug/l	99
85) sec-Butylbenzene	11.890	105	102518	18.297	ug/l	100
86) p-Isopropyltoluene	12.012	119	86541	18.527	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	44009	18.994	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	44978	18.734	ug/l	98
89) n-Butylbenzene	12.329	91	81561	17.780	ug/l	99
90) Hexachloroethane	12.536	117	14475	17.435	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	44738	20.004	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7269	19.728	ug/l	82
93) 1,2,4-Trichlorobenzene	13.585	180	28666	18.789	ug/l	98
94) Hexachlorobutadiene	13.725	225	12471	17.589	ug/l	99
95) Naphthalene	13.774	128	100632	20.800	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	29289	19.145	ug/l	100

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

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