

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
 Data File : VX046531.D
 Acq On : 06 Jun 2025 16:36
 Operator : JC/MD
 Sample : VX0606WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0606WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/09/2025
 Supervised By : Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 23:21:52 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	85527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	149043	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	134370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	74634	49.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.100%		
35) Dibromofluoromethane	5.403	113	55158	50.324	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.640%		
50) Toluene-d8	8.653	98	182112	50.397	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.800%		
62) 4-Bromofluorobenzene	11.079	95	76645	51.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.520%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.184	85	20864	17.572	ug/l	98
3) Chloromethane	1.306	50	18822	17.415	ug/l	100
4) Vinyl Chloride	1.386	62	19796	18.374	ug/l	98
5) Bromomethane	1.623	94	12819	19.599	ug/l	93
6) Chloroethane	1.703	64	13873m	19.846	ug/l	
7) Trichlorofluoromethane	1.904	101	33502	18.794	ug/l	98
8) Diethyl Ether	2.154	74	11948	18.970	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	21084	18.773	ug/l	96
10) Methyl Iodide	2.471	142	24607	20.212	ug/l	99
11) Tert butyl alcohol	2.971	59	19499	115.486	ug/l	97
12) 1,1-Dichloroethene	2.337	96	19401	19.107	ug/l	93
13) Acrolein	2.251	56	21025	120.608	ug/l	99
14) Allyl chloride	2.684	41	39165	19.639	ug/l	91
15) Acrylonitrile	3.080	53	70761	110.844	ug/l	98
16) Acetone	2.398	43	64621	110.755	ug/l	98
17) Carbon Disulfide	2.532	76	38425	17.952	ug/l	99
18) Methyl Acetate	2.721	43	43948	24.248	ug/l	100
19) Methyl tert-butyl Ether	3.135	73	73885	20.795	ug/l	97
20) Methylene Chloride	2.806	84	22270	18.243	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	19487	18.134	ug/l	97
22) Diisopropyl ether	3.782	45	81383	20.699	ug/l #	80
23) Vinyl Acetate	3.745	43	318327	104.869	ug/l	100
24) 1,1-Dichloroethane	3.635	63	42735	19.503	ug/l	98
25) 2-Butanone	4.580	43	97254	114.815	ug/l	99
26) 2,2-Dichloropropane	4.501	77	31209	19.185	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	26360	19.927	ug/l	94
28) Bromochloromethane	4.915	49	19766	18.912	ug/l	100
29) Tetrahydrofuran	5.025	42	60562	113.212	ug/l	99
30) Chloroform	5.111	83	46035	20.050	ug/l	97
31) Cyclohexane	5.495	56	34181	19.323	ug/l	93
32) 1,1,1-Trichloroethane	5.403	97	39062	19.889	ug/l	99
36) 1,1-Dichloropropene	5.708	75	28969	18.503	ug/l	100
37) Ethyl Acetate	4.739	43	35691	23.357	ug/l	100
38) Carbon Tetrachloride	5.690	117	33322	19.002	ug/l	93
39) Methylcyclohexane	7.391	83	33799	18.290	ug/l	99
40) Benzene	6.056	78	86844	19.704	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	20542	21.648	ug/l	96
42) 1,2-Dichloroethane	6.110	62	37411	20.403	ug/l	99
43) Isopropyl Acetate	6.354	43	57814	21.703	ug/l	99
44) Trichloroethene	7.135	130	21434	19.139	ug/l	96
45) 1,2-Dichloropropane	7.439	63	23076	20.284	ug/l	99
46) Dibromomethane	7.592	93	17318	20.235	ug/l	99
47) Bromodichloromethane	7.830	83	35642	20.254	ug/l	98
48) Methyl methacrylate	7.702	41	30091	21.954	ug/l	98
49) 1,4-Dioxane	7.671	88	8758	477.825	ug/l	98
51) 4-Methyl-2-Pentanone	8.579	43	200561	118.478	ug/l	100
52) Toluene	8.726	92	55236	20.399	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	31049	19.678	ug/l	97
54) cis-1,3-Dichloropropene	8.372	75	34958	19.927	ug/l	94
55) 1,1,2-Trichloroethane	9.152	97	23388	21.515	ug/l	98
56) Ethyl methacrylate	9.122	69	36912	22.066	ug/l	96
57) 1,3-Dichloropropane	9.311	76	39705	20.669	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	89580	98.314	ug/l	99
59) 2-Hexanone	9.433	43	147292	121.322	ug/l	99
60) Dibromochloromethane	9.524	129	25849	20.216	ug/l	99
61) 1,2-Dibromoethane	9.610	107	23298	20.568	ug/l	97
64) Tetrachloroethene	9.274	164	17301	19.255	ug/l	96
65) Chlorobenzene	10.079	112	61465	19.450	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	22032	20.631	ug/l	99
67) Ethyl Benzene	10.195	91	109058	19.768	ug/l	99
68) m/p-Xylenes	10.305	106	80771	40.360	ug/l	99
69) o-Xylene	10.640	106	39991	20.659	ug/l	98
70) Styrene	10.658	104	68264	20.601	ug/l	99
71) Bromoform	10.799	173	17129	21.036	ug/l #	99
73) Isopropylbenzene	10.963	105	108705	19.955	ug/l	100
74) N-amyl acetate	10.841	43	50598	21.091	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	37628	21.579	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	30154m	20.543	ug/l	
77) Bromobenzene	11.195	156	25581	20.231	ug/l	95
78) n-propylbenzene	11.305	91	129337	19.615	ug/l	99
79) 2-Chlorotoluene	11.366	91	78813	19.821	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	91100	20.068	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9858	19.373	ug/l	96
82) 4-Chlorotoluene	11.457	91	93416	19.821	ug/l	98
83) tert-Butylbenzene	11.713	119	93730	20.283	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	91461	19.916	ug/l	100
85) sec-Butylbenzene	11.890	105	118082	19.886	ug/l	100
86) p-Isopropyltoluene	12.006	119	98735	19.946	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	48529	19.764	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	49702	19.535	ug/l	99
89) n-Butylbenzene	12.329	91	95966	19.741	ug/l	99
90) Hexachloroethane	12.536	117	16219	18.434	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	46997	19.829	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	8657	22.171	ug/l	91
93) 1,2,4-Trichlorobenzene	13.585	180	31726	19.623	ug/l	99
94) Hexachlorobutadiene	13.725	225	13770	18.326	ug/l	98
95) Naphthalene	13.774	128	115645	22.555	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	31538	19.453	ug/l	99

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

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