

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060325\
 Data File : VX046464.D
 Acq On : 03 Jun 2025 11:50
 Operator : JC/MD
 Sample : VX0603WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0603WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/04/2025
 Supervised By : Mahesh Dadoda 06/04/2025

Quant Time: Jun 04 01:24:26 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	86032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	130475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62365	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80850	50.408	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.820%			
35) Dibromofluoromethane	5.379	113	56126	51.631	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.260%			
50) Toluene-d8	8.647	98	181255	48.175	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.340%			
62) 4-Bromofluorobenzene	11.079	95	72876	50.495	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.000%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	21879	16.616	ug/l	98
3) Chloromethane	1.307	50	20951	16.407	ug/l	99
4) Vinyl Chloride	1.374	62	18990	15.979	ug/l	100
5) Bromomethane	1.599	94	9271	16.819	ug/l	97
6) Chloroethane	1.672	64	11276	17.773	ug/l	100
7) Trichlorofluoromethane	1.880	101	31828	18.121	ug/l	100
8) Diethyl Ether	2.136	74	11245	18.807	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.325	101	20804	19.140	ug/l	99
10) Methyl Iodide	2.447	142	22438	17.446	ug/l	99
11) Tert butyl alcohol	2.971	59	26245	116.572	ug/l	100
12) 1,1-Dichloroethene	2.313	96	18188	17.829	ug/l	92
13) Acrolein	2.233	56	28734	112.067	ug/l	97
14) Allyl chloride	2.660	41	38609	19.803	ug/l	96
15) Acrylonitrile	3.062	53	71487	111.043	ug/l	99
16) Acetone	2.380	43	68723	106.863	ug/l	99
17) Carbon Disulfide	2.508	76	32208	13.317	ug/l	99
18) Methyl Acetate	2.703	43	41923	28.093	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	76793	21.472	ug/l	100
20) Methylene Chloride	2.782	84	22550	18.298	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	18461	17.995	ug/l	100
22) Diisopropyl ether	3.757	45	81514	21.645	ug/l	98
23) Vinyl Acetate	3.721	43	334608	101.019	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42085	20.064	ug/l	97
25) 2-Butanone	4.556	43	104645	112.084	ug/l	100
26) 2,2-Dichloropropane	4.465	77	31623	19.261	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24764	20.052	ug/l	99
28) Bromochloromethane	4.897	49	21879	21.669	ug/l	97
29) Tetrahydrofuran	5.001	42	63927	109.270	ug/l	99
30) Chloroform	5.093	83	45359	20.747	ug/l	97
31) Cyclohexane	5.458	56	33045	17.288	ug/l	93
32) 1,1,1-Trichloroethane	5.373	97	36112	19.054	ug/l	97
36) 1,1-Dichloropropene	5.684	75	26077	17.854	ug/l	97
37) Ethyl Acetate	4.715	43	37561	20.815	ug/l	100
38) Carbon Tetrachloride	5.672	117	30493	18.581	ug/l	99
39) Methylcyclohexane	7.379	83	32831	17.460	ug/l	97
40) Benzene	6.031	78	82785	19.351	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	22327	23.652	ug/l	99
42) 1,2-Dichloroethane	6.080	62	38662	20.939	ug/l	98
43) Isopropyl Acetate	6.336	43	61515	22.345	ug/l	98
44) Trichloroethene	7.123	130	19772	19.202	ug/l	91
45) 1,2-Dichloropropane	7.428	63	22490	21.141	ug/l	97
46) Dibromomethane	7.580	93	17488	20.843	ug/l	98
47) Bromodichloromethane	7.818	83	34508	20.882	ug/l	99
48) Methyl methacrylate	7.690	41	30780	21.893	ug/l	99
49) 1,4-Dioxane	7.659	88	12806	479.715	ug/l	96
51) 4-Methyl-2-Pentanone	8.568	43	210042	114.943	ug/l	98
52) Toluene	8.714	92	51638	19.684	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	28911	19.683	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	33321	20.525	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	22943	22.181	ug/l	98
56) Ethyl methacrylate	9.116	69	37370	22.668	ug/l	98
57) 1,3-Dichloropropane	9.305	76	39110	21.053	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	93351	111.071	ug/l	99
59) 2-Hexanone	9.427	43	155374	114.927	ug/l	99
60) Dibromochloromethane	9.519	129	23830	20.978	ug/l	98
61) 1,2-Dibromoethane	9.604	107	22450	20.882	ug/l	99
64) Tetrachloroethene	9.269	164	17909	19.400	ug/l	92
65) Chlorobenzene	10.073	112	57186	20.025	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20660	21.186	ug/l	99
67) Ethyl Benzene	10.189	91	102509	20.363	ug/l	98
68) m/p-Xylenes	10.299	106	74026	40.207	ug/l	97
69) o-Xylene	10.640	106	38408	21.398	ug/l	100
70) Styrene	10.653	104	62236	21.167	ug/l	99
71) Bromoform	10.799	173	15063	20.574	ug/l #	100
73) Isopropylbenzene	10.957	105	101859	20.979	ug/l	100
74) N-amyl acetate	10.842	43	51555	21.488	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	36254	21.308	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31973m	21.299	ug/l	
77) Bromobenzene	11.195	156	22557	20.011	ug/l	99
78) n-propylbenzene	11.299	91	115006	20.371	ug/l	100
79) 2-Chlorotoluene	11.360	91	73129	20.083	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	85390	21.051	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8927	19.361	ug/l	94
82) 4-Chlorotoluene	11.451	91	83070	20.571	ug/l	99
83) tert-Butylbenzene	11.713	119	84344	20.643	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	84267	20.514	ug/l	100
85) sec-Butylbenzene	11.890	105	106367	21.203	ug/l	100
86) p-Isopropyltoluene	12.006	119	86575	20.907	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	41494	20.170	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	42409	20.186	ug/l	98
89) n-Butylbenzene	12.329	91	75206	20.705	ug/l	99
90) Hexachloroethane	12.536	117	14400	19.739	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	43740	21.188	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8644	22.933	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	24446	20.617	ug/l	100
94) Hexachlorobutadiene	13.725	225	10733	20.726	ug/l	99
95) Naphthalene	13.774	128	93399	21.477	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	25957	21.216	ug/l	98

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

