

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045689.D
 Acq On : 10 Apr 2025 11:31
 Operator : JC/MD
 Sample : VX0410WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/11/2025
 Supervised By : Mahesh Dadoda 04/11/2025

Quant Time: Apr 11 01:52:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	112361	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	194747	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	168117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	79157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	98609	47.990	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.980%		
35) Dibromofluoromethane	5.373	113	67222	48.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.300%		
50) Toluene-d8	8.647	98	231241	47.948	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.900%		
62) 4-Bromofluorobenzene	11.079	95	87766	49.961	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.920%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	33478	19.923	ug/l	99
3) Chloromethane	1.301	50	30677	17.770	ug/l	98
4) Vinyl Chloride	1.374	62	28370	17.958	ug/l	98
5) Bromomethane	1.593	94	12601	16.822	ug/l	99
6) Chloroethane	1.666	64	16708	19.934	ug/l	99
7) Trichlorofluoromethane	1.874	101	46083	19.561	ug/l	100
8) Diethyl Ether	2.130	74	14534	18.376	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	27860	20.182	ug/l	97
10) Methyl Iodide	2.447	142	30341	17.621	ug/l	98
11) Tert butyl alcohol	2.965	59	25485	92.288	ug/l	99
12) 1,1-Dichloroethene	2.313	96	24449	18.125	ug/l	97
13) Acrolein	2.233	56	27775	73.039	ug/l	97
14) Allyl chloride	2.654	41	48050	18.774	ug/l	98
15) Acrylonitrile	3.056	53	79210	90.869	ug/l	100
16) Acetone	2.380	43	90085	106.767	ug/l	97
17) Carbon Disulfide	2.502	76	55793	16.747	ug/l	100
18) Methyl Acetate	2.703	43	39728	20.451	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	89790	19.029	ug/l	98
20) Methylene Chloride	2.782	84	28933	18.317	ug/l	96
21) trans-1,2-Dichloroethene	3.081	96	25240	18.315	ug/l	95
22) Diisopropyl ether	3.757	45	96034	19.048	ug/l	91
23) Vinyl Acetate	3.715	43	416397	95.594	ug/l	100
24) 1,1-Dichloroethane	3.605	63	52978	18.581	ug/l	99
25) 2-Butanone	4.550	43	119142	96.465	ug/l	100
26) 2,2-Dichloropropane	4.465	77	40352	21.905	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	31432	18.721	ug/l	99
28) Bromochloromethane	4.885	49	27686	20.094	ug/l	98
29) Tetrahydrofuran	5.001	42	72071	90.005	ug/l	99
30) Chloroform	5.080	83	56524	19.266	ug/l	96
31) Cyclohexane	5.458	56	46341	18.385	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	47870	19.283	ug/l	100
36) 1,1-Dichloropropene	5.678	75	36500	19.565	ug/l	99
37) Ethyl Acetate	4.709	43	41215	17.530	ug/l	99
38) Carbon Tetrachloride	5.672	117	40963	20.316	ug/l	95
39) Methylcyclohexane	7.373	83	46159	20.184	ug/l	95
40) Benzene	6.031	78	109468	19.212	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24358	19.636	ug/l	98
42) 1,2-Dichloroethane	6.080	62	46437	19.732	ug/l	100
43) Isopropyl Acetate	6.336	43	67787	19.023	ug/l	99
44) Trichloroethene	7.117	130	25641	18.933	ug/l	100
45) 1,2-Dichloropropane	7.421	63	27462	19.317	ug/l	95
46) Dibromomethane	7.580	93	21320	19.536	ug/l	98
47) Bromodichloromethane	7.818	83	42323	19.419	ug/l	95
48) Methyl methacrylate	7.690	41	35296	19.184	ug/l	99
49) 1,4-Dioxane	7.659	88	13415	403.008	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	228625	96.785	ug/l	100
52) Toluene	8.714	92	66139	19.183	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	36954	19.114	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	41506	20.266	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	26152	19.035	ug/l	96
56) Ethyl methacrylate	9.116	69	41283	19.416	ug/l	98
57) 1,3-Dichloropropane	9.305	76	46812	19.567	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	103906	96.603	ug/l	99
59) 2-Hexanone	9.427	43	172167	98.422	ug/l	99
60) Dibromochloromethane	9.519	129	29739	19.855	ug/l	98
61) 1,2-Dibromoethane	9.604	107	27063	19.459	ug/l	100
64) Tetrachloroethene	9.269	164	22386	18.860	ug/l	98
65) Chlorobenzene	10.073	112	72165	20.088	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	24362	19.533	ug/l	100
67) Ethyl Benzene	10.189	91	129558	20.136	ug/l	99
68) m/p-Xylenes	10.299	106	95033	40.611	ug/l	99
69) o-Xylene	10.640	106	46182	20.034	ug/l	96
70) Styrene	10.653	104	77711	20.425	ug/l	99
71) Bromoform	10.799	173	18241	19.588	ug/l #	99
73) Isopropylbenzene	10.957	105	125129	19.735	ug/l	99
74) N-amyl acetate	10.842	43	58782	19.381	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	42381	19.027	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	36149m	18.722	ug/l	
77) Bromobenzene	11.195	156	28190	19.242	ug/l	99
78) n-propylbenzene	11.299	91	146232	20.023	ug/l	100
79) 2-Chlorotoluene	11.360	91	89508	19.171	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	106280	20.270	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	10037	17.642	ug/l	94
82) 4-Chlorotoluene	11.451	91	103668	19.915	ug/l	100
83) tert-Butylbenzene	11.713	119	104154	20.065	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	106001	20.143	ug/l	99
85) sec-Butylbenzene	11.890	105	129497	20.311	ug/l	99
86) p-Isopropyltoluene	12.006	119	107454	20.443	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	52070	19.526	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	52228	19.318	ug/l	97
89) n-Butylbenzene	12.329	91	94973	20.837	ug/l	99
90) Hexachloroethane	12.536	117	17809	19.715	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	52974	19.980	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	9341	20.053	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	30555	20.704	ug/l	97
94) Hexachlorobutadiene	13.725	225	13476	21.190	ug/l	99
95) Naphthalene	13.774	128	109183	19.880	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	31066	20.103	ug/l	99

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

