

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042825\
 Data File : VX045947.D
 Acq On : 28 Apr 2025 11:31
 Operator : JC/MD
 Sample : VX0428WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0428WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2025
 Supervised By : Semsettin Yesilyurt 04/29/2025

Quant Time: Apr 29 01:32:24 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	5.550	168	81017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142403	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	124900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80538	54.359	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.720%			
35) Dibromofluoromethane	5.379	113	56058	55.484	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.960%			
50) Toluene-d8	8.647	98	185114	52.492	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.980%			
62) 4-Bromofluorobenzene	11.079	95	70755	55.082	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.160%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	22134	18.268	ug/l	98
3) Chloromethane	1.300	50	20952	16.833	ug/l	98
4) Vinyl Chloride	1.374	62	20113	17.656	ug/l	99
5) Bromomethane	1.593	94	9878	18.289	ug/l	93
6) Chloroethane	1.672	64	12192	20.173	ug/l	97
7) Trichlorofluoromethane	1.880	101	35173	20.706	ug/l	99
8) Diethyl Ether	2.130	74	11588	20.319	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.325	101	21095	21.193	ug/l	99
10) Methyl Iodide	2.447	142	23334	18.794	ug/l	98
11) Tert butyl alcohol	2.971	59	22175	111.368	ug/l	100
12) 1,1-Dichloroethene	2.312	96	18850	19.381	ug/l	99
13) Acrolein	2.233	56	29283	106.797	ug/l	98
14) Allyl chloride	2.660	41	37964	20.572	ug/l	98
15) Acrylonitrile	3.062	53	65742	104.596	ug/l	99
16) Acetone	2.380	43	62178	102.202	ug/l	98
17) Carbon Disulfide	2.508	76	36027	14.998	ug/l	99
18) Methyl Acetate	2.703	43	40772	29.108	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	72510	21.312	ug/l	97
20) Methylene Chloride	2.782	84	22187	19.480	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	19082	19.204	ug/l	93
22) Diisopropyl ether	3.757	45	77529	21.327	ug/l	90
23) Vinyl Acetate	3.721	43	311313	99.120	ug/l	100
24) 1,1-Dichloroethane	3.605	63	42041	20.450	ug/l	98
25) 2-Butanone	4.556	43	94412	106.016	ug/l	99
26) 2,2-Dichloropropane	4.471	77	33166	24.969	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24498	20.237	ug/l	98
28) Bromochloromethane	4.897	49	21853	21.997	ug/l	99
29) Tetrahydrofuran	5.001	42	58379	101.112	ug/l	100
30) Chloroform	5.086	83	45346	21.436	ug/l	98
31) Cyclohexane	5.458	56	34419	18.938	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	37892	21.169	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26664	19.546	ug/l	98
37) Ethyl Acetate	4.714	43	34264	19.931	ug/l	99
38) Carbon Tetrachloride	5.665	117	32348	21.941	ug/l	97
39) Methylcyclohexane	7.372	83	32844	19.641	ug/l	97
40) Benzene	6.031	78	84203	20.210	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20828	22.962	ug/l	97
42) 1,2-Dichloroethane	6.086	62	37600	21.850	ug/l	100
43) Isopropyl Acetate	6.336	43	55132	21.159	ug/l	99
44) Trichloroethene	7.123	130	19402	19.593	ug/l	96
45) 1,2-Dichloropropane	7.427	63	22071	21.232	ug/l	93
46) Dibromomethane	7.574	93	17004	21.308	ug/l	98
47) Bromodichloromethane	7.818	83	35180	22.075	ug/l	98
48) Methyl methacrylate	7.690	41	28896	21.479	ug/l	97
49) 1,4-Dioxane	7.659	88	11138	457.595	ug/l	98
51) 4-Methyl-2-Pentanone	8.567	43	189876	109.927	ug/l	98
52) Toluene	8.714	92	51258	20.332	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28574	20.081	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	32762	21.877	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	22422	22.319	ug/l	99
56) Ethyl methacrylate	9.116	69	34117	21.944	ug/l	99
57) 1,3-Dichloropropane	9.305	76	38679	22.110	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	79381	100.929	ug/l	98
59) 2-Hexanone	9.427	43	139644	109.173	ug/l	98
60) Dibromochloromethane	9.518	129	24885	22.722	ug/l	97
61) 1,2-Dibromoethane	9.610	107	21997	21.630	ug/l	99
64) Tetrachloroethene	9.268	164	17863	20.257	ug/l	97
65) Chlorobenzene	10.073	112	56634	21.220	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	20136	21.731	ug/l	99
67) Ethyl Benzene	10.189	91	101579	21.251	ug/l	100
68) m/p-Xylenes	10.299	106	74167	42.661	ug/l	99
69) o-Xylene	10.640	106	36367	21.235	ug/l	95
70) Styrene	10.652	104	60751	21.492	ug/l	100
71) Bromoform	10.799	173	15212	21.987	ug/l #	98
73) Isopropylbenzene	10.957	105	98205	21.117	ug/l	99
74) N-amyl acetate	10.841	43	47319	21.271	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34658	21.215	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	29709m	20.979	ug/l	
77) Bromobenzene	11.195	156	22254	20.711	ug/l	98
78) n-propylbenzene	11.299	91	111302	20.779	ug/l	100
79) 2-Chlorotoluene	11.360	91	71154	20.779	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	83478	21.708	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8150	19.532	ug/l	95
82) 4-Chlorotoluene	11.451	91	80338	21.042	ug/l	99
83) tert-Butylbenzene	11.713	119	82051	21.552	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	82071	21.264	ug/l	98
85) sec-Butylbenzene	11.890	105	102589	21.939	ug/l	100
86) p-Isopropyltoluene	12.006	119	83229	21.589	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41188	21.058	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	41724	21.042	ug/l	99
89) n-Butylbenzene	12.329	91	69848	20.894	ug/l	98
90) Hexachloroethane	12.536	117	14839	22.397	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	42304	21.755	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7884	23.076	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	22936	21.190	ug/l	97
94) Hexachlorobutadiene	13.719	225	10301	22.085	ug/l	99
95) Naphthalene	13.774	128	83696	20.778	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23500	20.734	ug/l	98

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

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