

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045715.D
 Acq On : 11 Apr 2025 04:22
 Operator : JC/MD
 Sample : VX0410WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBS02

Manual Integrations
 APPROVED

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

Quant Time: Apr 11 06:05:36 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	87130	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	156738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	64250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86692	54.408	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.820%			
35) Dibromofluoromethane	5.379	113	59553	53.552	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.100%			
50) Toluene-d8	8.647	98	204884	52.785	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.560%			
62) 4-Bromofluorobenzene	11.079	95	78207	55.315	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26332	20.208	ug/l	98
3) Chloromethane	1.300	50	26935	20.121	ug/l	98
4) Vinyl Chloride	1.374	62	24489	19.990	ug/l	98
5) Bromomethane	1.593	94	11089	19.090	ug/l	99
6) Chloroethane	1.666	64	14355	22.086	ug/l	99
7) Trichlorofluoromethane	1.874	101	37926	20.761	ug/l	99
8) Diethyl Ether	2.130	74	12043	19.636	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	21200	19.804	ug/l	97
10) Methyl Iodide	2.441	142	24642	18.455	ug/l	96
11) Tert butyl alcohol	2.977	59	25091	117.172	ug/l	99
12) 1,1-Dichloroethene	2.312	96	21027	20.102	ug/l	98
13) Acrolein	2.233	56	27019	91.626	ug/l	97
14) Allyl chloride	2.660	41	39498	19.902	ug/l	98
15) Acrylonitrile	3.062	53	72459	107.195	ug/l	99
16) Acetone	2.386	43	71344	109.041	ug/l	97
17) Carbon Disulfide	2.501	76	42621	16.498	ug/l	99
18) Methyl Acetate	2.703	43	37630	24.980	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	78938	21.573	ug/l	96
20) Methylene Chloride	2.782	84	25103	20.494	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	21304	19.936	ug/l	98
22) Diisopropyl ether	3.763	45	82362	21.067	ug/l	97
23) Vinyl Acetate	3.721	43	347261	102.808	ug/l	100
24) 1,1-Dichloroethane	3.605	63	45671	20.657	ug/l	99
25) 2-Butanone	4.562	43	105507	110.162	ug/l	100
26) 2,2-Dichloropropane	4.465	77	20380	14.267	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	26276	20.182	ug/l	98
28) Bromochloromethane	4.897	49	23282	21.791	ug/l	98
29) Tetrahydrofuran	5.001	42	65353	105.249	ug/l	99
30) Chloroform	5.086	83	48799	21.450	ug/l	96
31) Cyclohexane	5.464	56	37736	19.306	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	40466	21.021	ug/l	99
36) 1,1-Dichloropropene	5.690	75	29813	19.855	ug/l	98
37) Ethyl Acetate	4.714	43	37776	19.964	ug/l	99
38) Carbon Tetrachloride	5.666	117	34266	21.116	ug/l	98
39) Methylcyclohexane	7.379	83	34192	18.577	ug/l	99
40) Benzene	6.031	78	92647	20.203	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	22495	22.532	ug/l	98
42) 1,2-Dichloroethane	6.080	62	41225	21.766	ug/l	99
43) Isopropyl Acetate	6.342	43	59508	20.750	ug/l	99
44) Trichloroethene	7.123	130	22488	20.632	ug/l	96
45) 1,2-Dichloropropane	7.427	63	23386	20.439	ug/l	93
46) Dibromomethane	7.580	93	18636	21.218	ug/l	98
47) Bromodichloromethane	7.818	83	36475	20.795	ug/l	96
48) Methyl methacrylate	7.690	41	32112	21.686	ug/l	99
49) 1,4-Dioxane	7.659	88	13511	504.321	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	212913	111.990	ug/l	99
52) Toluene	8.714	92	57054	20.561	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	28107	18.189	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	32277	19.582	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	24166	21.855	ug/l	97
56) Ethyl methacrylate	9.116	69	37519	21.925	ug/l	99
57) 1,3-Dichloropropane	9.305	76	40732	21.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	88422	102.142	ug/l	100
59) 2-Hexanone	9.427	43	158206	112.373	ug/l	98
60) Dibromochloromethane	9.518	129	25163	20.874	ug/l	96
61) 1,2-Dibromoethane	9.610	107	24024	21.463	ug/l	97
64) Tetrachloroethene	9.269	164	19733	20.006	ug/l	98
65) Chlorobenzene	10.079	112	61919	20.742	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	21126	20.384	ug/l	99
67) Ethyl Benzene	10.189	91	110080	20.589	ug/l	98
68) m/p-Xylenes	10.299	106	79502	40.883	ug/l	99
69) o-Xylene	10.640	106	39404	20.570	ug/l	97
70) Styrene	10.652	104	67354	21.303	ug/l	98
71) Bromoform	10.799	173	15391	19.889	ug/l #	96
73) Isopropylbenzene	10.957	105	105499	20.499	ug/l	98
74) N-amyl acetate	10.841	43	49938	20.285	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	37610	20.803	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31805m	20.294	ug/l	
77) Bromobenzene	11.195	156	24589	20.678	ug/l	99
78) n-propylbenzene	11.305	91	120341	20.301	ug/l	100
79) 2-Chlorotoluene	11.360	91	78497	20.713	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	89658	21.068	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7260	15.722	ug/l	92
82) 4-Chlorotoluene	11.451	91	87302	20.662	ug/l	99
83) tert-Butylbenzene	11.713	119	87666	20.807	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	88899	20.813	ug/l	99
85) sec-Butylbenzene	11.890	105	108887	21.041	ug/l	98
86) p-Isopropyltoluene	12.006	119	88002	20.627	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	44109	20.378	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	44484	20.272	ug/l	97
89) n-Butylbenzene	12.329	91	73331	19.821	ug/l	99
90) Hexachloroethane	12.536	117	14878	20.291	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	45188	20.998	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8519	22.531	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	23449	19.575	ug/l	99
94) Hexachlorobutadiene	13.725	225	10252	19.861	ug/l	99
95) Naphthalene	13.774	128	90519	20.306	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	25240	20.122	ug/l	97

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

