

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041025\
 Data File : VX045690.D
 Acq On : 10 Apr 2025 11:54
 Operator : JC/MD
 Sample : VX0410WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0410WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Apr 11 01:53:38 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	88490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	154887	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	134723	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	82308	50.862	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.720%			
35) Dibromofluoromethane	5.385	113	54859	49.921	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.840%			
50) Toluene-d8	8.647	98	191302	49.874	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.740%			
62) 4-Bromofluorobenzene	11.079	95	72362	51.793	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	26299	19.873	ug/l	96
3) Chloromethane	1.300	50	24583	18.082	ug/l	97
4) Vinyl Chloride	1.374	62	22138	17.793	ug/l	99
5) Bromomethane	1.593	94	10776	18.266	ug/l	99
6) Chloroethane	1.672	64	13067	19.795	ug/l	98
7) Trichlorofluoromethane	1.873	101	36278	19.553	ug/l	99
8) Diethyl Ether	2.130	74	12158	19.519	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	21539	19.812	ug/l	97
10) Methyl Iodide	2.447	142	24128	17.793	ug/l	99
11) Tert butyl alcohol	2.971	59	23745	109.182	ug/l	99
12) 1,1-Dichloroethene	2.312	96	19381	18.244	ug/l	98
13) Acrolein	2.233	56	23888	79.763	ug/l	98
14) Allyl chloride	2.654	41	38900	19.299	ug/l	97
15) Acrylonitrile	3.062	53	67643	98.532	ug/l	99
16) Acetone	2.380	43	65025	97.856	ug/l	97
17) Carbon Disulfide	2.508	76	42861	16.336	ug/l	97
18) Methyl Acetate	2.703	43	33929	22.177	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	74801	20.128	ug/l	100
20) Methylene Chloride	2.782	84	23752	19.093	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	20106	18.526	ug/l	97
22) Diisopropyl ether	3.757	45	78916	19.876	ug/l #	86
23) Vinyl Acetate	3.721	43	343262	100.062	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43257	19.264	ug/l	100
25) 2-Butanone	4.556	43	98575	101.342	ug/l	96
26) 2,2-Dichloropropane	4.471	77	31613	21.790	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	25202	19.060	ug/l	97
28) Bromochloromethane	4.891	49	22156	20.418	ug/l	99
29) Tetrahydrofuran	5.001	42	61701	97.841	ug/l	100
30) Chloroform	5.086	83	45539	19.709	ug/l	95
31) Cyclohexane	5.464	56	37831	19.057	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	39526	20.217	ug/l	99
36) 1,1-Dichloropropene	5.684	75	29106	19.616	ug/l	100
37) Ethyl Acetate	4.714	43	34121	18.248	ug/l	96
38) Carbon Tetrachloride	5.672	117	32719	20.404	ug/l	96
39) Methylcyclohexane	7.373	83	35240	19.375	ug/l	94
40) Benzene	6.031	78	87308	19.267	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20077	20.350	ug/l	96
42) 1,2-Dichloroethane	6.086	62	39727	21.226	ug/l	100
43) Isopropyl Acetate	6.336	43	58382	20.600	ug/l	99
44) Trichloroethene	7.123	130	20573	19.101	ug/l	95
45) 1,2-Dichloropropane	7.427	63	22464	19.868	ug/l	95
46) Dibromomethane	7.580	93	17561	20.233	ug/l	98
47) Bromodichloromethane	7.818	83	34420	19.858	ug/l	98
48) Methyl methacrylate	7.696	41	30055	20.540	ug/l	99
49) 1,4-Dioxane	7.659	88	11970	452.140	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	197497	105.123	ug/l	99
52) Toluene	8.714	92	53743	19.599	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	29533	19.196	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	33275	20.428	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	22022	20.154	ug/l	98
56) Ethyl methacrylate	9.116	69	34298	20.282	ug/l	98
57) 1,3-Dichloropropane	9.305	76	38651	20.313	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	77889	91.050	ug/l	99
59) 2-Hexanone	9.427	43	149420	107.401	ug/l	99
60) Dibromochloromethane	9.518	129	23695	19.891	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22438	20.285	ug/l	100
64) Tetrachloroethene	9.269	164	18742	19.704	ug/l	97
65) Chlorobenzene	10.079	112	58418	20.292	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	20290	20.301	ug/l	99
67) Ethyl Benzene	10.189	91	105912	20.542	ug/l	98
68) m/p-Xylenes	10.299	106	76061	40.560	ug/l	98
69) o-Xylene	10.640	106	37884	20.507	ug/l	98
70) Styrene	10.652	104	62154	20.385	ug/l	98
71) Bromoform	10.799	173	14702	19.701	ug/l #	96
73) Isopropylbenzene	10.957	105	101658	20.089	ug/l	100
74) N-amyl acetate	10.841	43	50006	20.658	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	36384	20.467	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	30733m	19.943	ug/l	
77) Bromobenzene	11.195	156	23639	20.217	ug/l	95
78) n-propylbenzene	11.305	91	114540	19.651	ug/l	99
79) 2-Chlorotoluene	11.360	91	74107	19.887	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	85552	20.445	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8205	18.070	ug/l	94
82) 4-Chlorotoluene	11.451	91	82692	19.903	ug/l	99
83) tert-Butylbenzene	11.713	119	83464	20.146	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	84921	20.219	ug/l	99
85) sec-Butylbenzene	11.890	105	103295	20.300	ug/l	100
86) p-Isopropyltoluene	12.006	119	84150	20.059	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	42211	19.833	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	40710	18.867	ug/l	93
89) n-Butylbenzene	12.329	91	73395	20.176	ug/l	98
90) Hexachloroethane	12.536	117	13824	19.174	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	42739	20.198	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7953	21.392	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	24112	20.471	ug/l	98
94) Hexachlorobutadiene	13.725	225	10147	19.992	ug/l	99
95) Naphthalene	13.774	128	88333	20.152	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	24769	20.082	ug/l	98

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

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