

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021125\
 Data File : VX044897.D
 Acq On : 11 Feb 2025 11:48
 Operator : JC/MD
 Sample : VX0211WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0211WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/12/2025
 Supervised By : Mahesh Dadoda 02/12/2025

Quant Time: Feb 12 02:38:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 11 03:41:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	116406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	211404	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	186335	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	83644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84156	49.388	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.780%		
35) Dibromofluoromethane	5.379	113	67081	48.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.600%		
50) Toluene-d8	8.641	98	254774	49.019	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.040%		
62) 4-Bromofluorobenzene	11.079	95	86989	49.646	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	99.300%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	31601	19.356	ug/l	98
3) Chloromethane	1.301	50	37119	18.680	ug/l	97
4) Vinyl Chloride	1.374	62	36957	19.198	ug/l	96
5) Bromomethane	1.593	94	11587	20.114	ug/l	99
6) Chloroethane	1.666	64	15397	18.945	ug/l	97
7) Trichlorofluoromethane	1.874	101	47412	19.475	ug/l	99
8) Diethyl Ether	2.130	74	18158	20.567	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	29801	20.261	ug/l	99
10) Methyl Iodide	2.441	142	38410	20.149	ug/l	99
11) Tert butyl alcohol	2.983	59	32829	103.851	ug/l	98
12) 1,1-Dichloroethene	2.313	96	29002	19.330	ug/l	98
13) Acrolein	2.233	56	31603	96.897	ug/l	98
14) Allyl chloride	2.654	41	51780	19.096	ug/l	96
15) Acrylonitrile	3.062	53	86862	102.915	ug/l	99
16) Acetone	2.380	43	68752	100.366	ug/l	98
17) Carbon Disulfide	2.502	76	76655	18.631	ug/l	97
18) Methyl Acetate	2.703	43	44373	20.527	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	96651	20.246	ug/l	99
20) Methylene Chloride	2.782	84	32877	19.594	ug/l	98
21) trans-1,2-Dichloroethene	3.081	96	29055	19.676	ug/l	93
22) Diisopropyl ether	3.757	45	105816	20.627	ug/l	93
23) Vinyl Acetate	3.715	43	433511	103.656	ug/l	97
24) 1,1-Dichloroethane	3.599	63	56359	19.635	ug/l	97
25) 2-Butanone	4.556	43	115645	103.966	ug/l	97
26) 2,2-Dichloropropane	4.465	77	44593	19.590	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	35548	20.041	ug/l	98
28) Bromochloromethane	4.891	49	25541	18.515	ug/l	98
29) Tetrahydrofuran	5.001	42	75125	101.711	ug/l	98
30) Chloroform	5.086	83	54727	19.660	ug/l	97
31) Cyclohexane	5.458	56	52843	19.969	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	46336	19.624	ug/l	98
36) 1,1-Dichloropropene	5.690	75	38126	19.226	ug/l	100
37) Ethyl Acetate	4.708	43	42191	19.128	ug/l	98
38) Carbon Tetrachloride	5.666	117	38835	19.985	ug/l	96
39) Methylcyclohexane	7.373	83	53434	20.842	ug/l	97
40) Benzene	6.031	78	125170	20.215	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24902	21.092	ug/l	98
42) 1,2-Dichloroethane	6.080	62	41830	21.196	ug/l	99
43) Isopropyl Acetate	6.336	43	73633	20.673	ug/l	99
44) Trichloroethene	7.117	130	27907	19.717	ug/l	96
45) 1,2-Dichloropropane	7.428	63	31362	20.358	ug/l	97
46) Dibromomethane	7.580	93	21730	20.340	ug/l	97
47) Bromodichloromethane	7.818	83	42998	20.786	ug/l	98
48) Methyl methacrylate	7.690	41	34888	20.774	ug/l	98
49) 1,4-Dioxane	7.665	88	14679	407.387	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	233883	108.010	ug/l	97
52) Toluene	8.714	92	76922	20.859	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	41931	20.031	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	47877	20.513	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	30181	21.290	ug/l	95
56) Ethyl methacrylate	9.116	69	47561	20.773	ug/l	99
57) 1,3-Dichloropropane	9.305	76	51672	20.832	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	108500	96.512	ug/l	99
59) 2-Hexanone	9.427	43	168110	107.751	ug/l	99
60) Dibromochloromethane	9.519	129	31801	20.976	ug/l	99
61) 1,2-Dibromoethane	9.604	107	30172	20.999	ug/l	98
64) Tetrachloroethene	9.269	164	23477	19.978	ug/l	97
65) Chlorobenzene	10.073	112	81300	20.314	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	25959	20.152	ug/l	97
67) Ethyl Benzene	10.189	91	144888	20.515	ug/l	100
68) m/p-Xylenes	10.299	106	108740	41.738	ug/l	99
69) o-Xylene	10.640	106	53496	20.464	ug/l	98
70) Styrene	10.653	104	88009	20.896	ug/l	99
71) Bromoform	10.799	173	19571	20.357	ug/l #	100
73) Isopropylbenzene	10.957	105	137984	20.488	ug/l	99
74) N-amyl acetate	10.842	43	63313	20.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	47168	20.381	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	37404m	20.169	ug/l	
77) Bromobenzene	11.195	156	31462	20.605	ug/l	96
78) n-propylbenzene	11.299	91	157806	20.300	ug/l	99
79) 2-Chlorotoluene	11.360	91	96410	20.179	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	113664	20.797	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	13230	18.351	ug/l	94
82) 4-Chlorotoluene	11.451	91	107461	20.331	ug/l	100
83) tert-Butylbenzene	11.713	119	113453	20.520	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	113257	20.996	ug/l	99
85) sec-Butylbenzene	11.884	105	141678	20.693	ug/l	100
86) p-Isopropyltoluene	12.006	119	115883	21.047	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	56403	20.087	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	56774	19.998	ug/l	99
89) n-Butylbenzene	12.329	91	101189	20.774	ug/l	99
90) Hexachloroethane	12.536	117	20215	19.608	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	57355	20.783	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8432	19.963	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	33252	19.913	ug/l	98
94) Hexachlorobutadiene	13.719	225	13375	20.176	ug/l	99
95) Naphthalene	13.774	128	122681	20.324	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	33862	20.124	ug/l	99

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

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