

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041825\
 Data File : VX045844.D
 Acq On : 18 Apr 2025 09:50
 Operator : JC/MD
 Sample : VX0418WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/21/2025
 Supervised By : Mahesh Dadoda 04/21/2025

Quant Time: Apr 18 23:33:06 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	89176	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	159081	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	74557	45.718	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.440%		
35) Dibromofluoromethane	5.385	113	50044	44.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.680%		
50) Toluene-d8	8.647	98	172882	43.884	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.760%		
62) 4-Bromofluorobenzene	11.079	95	65446	45.608	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23874	17.902	ug/l	98
3) Chloromethane	1.300	50	22727	16.588	ug/l	97
4) Vinyl Chloride	1.374	62	21853	17.429	ug/l	100
5) Bromomethane	1.599	94	10065	16.930	ug/l	97
6) Chloroethane	1.672	64	12627	18.981	ug/l	97
7) Trichlorofluoromethane	1.880	101	35031	18.736	ug/l	100
8) Diethyl Ether	2.136	74	11618	18.508	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	20688	18.883	ug/l	98
10) Methyl Iodide	2.447	142	24168	17.685	ug/l	97
11) Tert butyl alcohol	2.971	59	20564	93.828	ug/l	97
12) 1,1-Dichloroethene	2.312	96	18783	17.545	ug/l	97
13) Acrolein	2.239	56	16056	53.199	ug/l	99
14) Allyl chloride	2.660	41	37577	18.499	ug/l	99
15) Acrylonitrile	3.062	53	64295	92.935	ug/l	98
16) Acetone	2.380	43	60815	90.816	ug/l	99
17) Carbon Disulfide	2.508	76	37024	14.002	ug/l	98
18) Methyl Acetate	2.703	43	35211	22.838	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	72218	19.284	ug/l	100
20) Methylene Chloride	2.782	84	22981	18.331	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	19076	17.441	ug/l	96
22) Diisopropyl ether	3.763	45	77385	19.340	ug/l	96
23) Vinyl Acetate	3.721	43	317916	91.961	ug/l	99
24) 1,1-Dichloroethane	3.605	63	43110	19.051	ug/l	98
25) 2-Butanone	4.556	43	94029	95.925	ug/l	97
26) 2,2-Dichloropropane	4.471	77	31166	21.317	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	24898	18.685	ug/l	96
28) Bromochloromethane	4.891	49	21590	19.744	ug/l	99
29) Tetrahydrofuran	5.007	42	58414	91.916	ug/l	99
30) Chloroform	5.086	83	45370	19.485	ug/l	94
31) Cyclohexane	5.464	56	35470	17.731	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	37383	18.974	ug/l	99
36) 1,1-Dichloropropene	5.684	75	27878	18.293	ug/l	99
37) Ethyl Acetate	4.721	43	35289	18.375	ug/l	99
38) Carbon Tetrachloride	5.672	117	32139	19.514	ug/l	98
39) Methylcyclohexane	7.373	83	34930	18.699	ug/l	94
40) Benzene	6.037	78	85844	18.444	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	20582	20.312	ug/l	97
42) 1,2-Dichloroethane	6.080	62	37761	19.643	ug/l	100
43) Isopropyl Acetate	6.336	43	55187	18.960	ug/l	100
44) Trichloroethene	7.123	130	19869	17.961	ug/l	92
45) 1,2-Dichloropropane	7.427	63	22191	19.109	ug/l	96
46) Dibromomethane	7.580	93	16811	18.858	ug/l	97
47) Bromodichloromethane	7.818	83	34120	19.166	ug/l	95
48) Methyl methacrylate	7.690	41	28305	18.834	ug/l	100
49) 1,4-Dioxane	7.659	88	10985	403.994	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	190032	98.483	ug/l	99
52) Toluene	8.714	92	51362	18.237	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	28578	18.218	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	31814	19.016	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	21926	19.537	ug/l	97
56) Ethyl methacrylate	9.116	69	34215	19.700	ug/l	98
57) 1,3-Dichloropropane	9.305	76	37999	19.444	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	84824	96.543	ug/l	98
59) 2-Hexanone	9.427	43	138986	97.267	ug/l	99
60) Dibromochloromethane	9.519	129	23456	19.172	ug/l	99
61) 1,2-Dibromoethane	9.610	107	22305	19.634	ug/l	97
64) Tetrachloroethene	9.269	164	17967	18.431	ug/l	96
65) Chlorobenzene	10.079	112	57620	19.530	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19990	19.515	ug/l	99
67) Ethyl Benzene	10.189	91	102638	19.424	ug/l	99
68) m/p-Xylenes	10.299	106	73719	38.357	ug/l	98
69) o-Xylene	10.640	106	37044	19.566	ug/l	98
70) Styrene	10.652	104	60961	19.509	ug/l	98
71) Bromoform	10.799	173	14278	18.668	ug/l #	94
73) Isopropylbenzene	10.957	105	98978	19.763	ug/l	99
74) N-amyl acetate	10.841	43	45705	19.078	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34736	19.744	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	29816m	19.550	ug/l	
77) Bromobenzene	11.195	156	22083	19.084	ug/l	99
78) n-propylbenzene	11.305	91	115438	20.011	ug/l	99
79) 2-Chlorotoluene	11.360	91	71895	19.495	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	83772	20.228	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8074	17.967	ug/l	93
82) 4-Chlorotoluene	11.451	91	79819	19.412	ug/l	100
83) tert-Butylbenzene	11.713	119	82464	20.113	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	82845	19.931	ug/l	98
85) sec-Butylbenzene	11.890	105	101425	20.140	ug/l	99
86) p-Isopropyltoluene	12.006	119	83012	19.994	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40460	19.208	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	40066	18.762	ug/l	95
89) n-Butylbenzene	12.329	91	69529	19.312	ug/l	100
90) Hexachloroethane	12.536	117	14033	19.667	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	42374	20.234	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7810	21.226	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	23573	20.222	ug/l	97
94) Hexachlorobutadiene	13.725	225	9964	19.836	ug/l	97
95) Naphthalene	13.774	128	86973	20.049	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	24342	19.942	ug/l	99

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

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