

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041125\
 Data File : VX045734.D
 Acq On : 11 Apr 2025 12:22
 Operator : JC/MD
 Sample : VX0411WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0411WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/14/2025
 Supervised By : Mahesh Dadoda 04/14/2025

Quant Time: Apr 11 23:04:06 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	5.544	168	84320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150272	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63206	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80683	52.324	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	5.379	113	53111	49.814	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.620%			
50) Toluene-d8	8.647	98	183285	49.252	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.500%			
62) 4-Bromofluorobenzene	11.079	95	71699	52.894	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24625	19.528	ug/l	98
3) Chloromethane	1.307	50	23327	18.007	ug/l	100
4) Vinyl Chloride	1.374	62	20906	17.634	ug/l	95
5) Bromomethane	1.593	94	9876	17.569	ug/l	99
6) Chloroethane	1.660	64	11924	18.957	ug/l	92
7) Trichlorofluoromethane	1.867	101	34101	19.289	ug/l	98
8) Diethyl Ether	2.130	74	11527	19.421	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.319	101	20130	19.431	ug/l	97
10) Methyl Iodide	2.441	142	22790	17.637	ug/l	99
11) Tert butyl alcohol	2.983	59	22438	108.275	ug/l	99
12) 1,1-Dichloroethene	2.306	96	18161	17.941	ug/l	98
13) Acrolein	2.233	56	27599	96.712	ug/l	99
14) Allyl chloride	2.654	41	36269	18.884	ug/l	99
15) Acrylonitrile	3.062	53	64772	99.016	ug/l	98
16) Acetone	2.386	43	63457	100.219	ug/l	98
17) Carbon Disulfide	2.502	76	36188	14.474	ug/l	98
18) Methyl Acetate	2.703	43	33397	22.909	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	72099	20.361	ug/l	99
20) Methylene Chloride	2.782	84	22948	19.359	ug/l	98
21) trans-1,2-Dichloroethene	3.087	96	19175	18.542	ug/l	94
22) Diisopropyl ether	3.763	45	74151	19.599	ug/l	97
23) Vinyl Acetate	3.721	43	320471	98.039	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41001	19.162	ug/l	99
25) 2-Butanone	4.556	43	95825	103.387	ug/l	98
26) 2,2-Dichloropropane	4.465	77	28763	20.806	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	23213	18.424	ug/l	96
28) Bromochloromethane	4.891	49	26597	25.723	ug/l	98
29) Tetrahydrofuran	5.007	42	59004	98.191	ug/l	99
30) Chloroform	5.086	83	43373	19.700	ug/l	93
31) Cyclohexane	5.464	56	34507	18.243	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	36032	19.341	ug/l	99
36) 1,1-Dichloropropene	5.684	75	26656	18.517	ug/l	97
37) Ethyl Acetate	4.715	43	35089	19.342	ug/l	98
38) Carbon Tetrachloride	5.672	117	29414	18.906	ug/l	93
39) Methylcyclohexane	7.379	83	32952	18.674	ug/l	96
40) Benzene	6.031	78	82159	18.687	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	19564	20.439	ug/l	97
42) 1,2-Dichloroethane	6.080	62	36989	20.370	ug/l	99
43) Isopropyl Acetate	6.342	43	55460	20.170	ug/l	99
44) Trichloroethene	7.123	130	19251	18.422	ug/l	99
45) 1,2-Dichloropropane	7.427	63	21096	19.231	ug/l	93
46) Dibromomethane	7.574	93	16560	19.665	ug/l	97
47) Bromodichloromethane	7.818	83	32810	19.510	ug/l	97
48) Methyl methacrylate	7.696	41	28607	20.151	ug/l	99
49) 1,4-Dioxane	7.659	88	11098	432.076	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	195029	106.998	ug/l	99
52) Toluene	8.714	92	50898	19.132	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	27223	18.352	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	31424	19.884	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	21082	19.886	ug/l	97
56) Ethyl methacrylate	9.116	69	34367	20.947	ug/l	99
57) 1,3-Dichloropropane	9.305	76	38320	20.758	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	91986	110.832	ug/l	100
59) 2-Hexanone	9.427	43	143752	106.500	ug/l	99
60) Dibromochloromethane	9.519	129	22170	19.183	ug/l	100
61) 1,2-Dibromoethane	9.610	107	21539	20.071	ug/l	100
64) Tetrachloroethene	9.269	164	17919	19.248	ug/l	97
65) Chlorobenzene	10.079	112	55155	19.575	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	18774	19.192	ug/l	99
67) Ethyl Benzene	10.189	91	98437	19.506	ug/l	98
68) m/p-Xylenes	10.299	106	71463	38.936	ug/l	98
69) o-Xylene	10.640	106	35702	19.746	ug/l	98
70) Styrene	10.653	104	60067	20.128	ug/l	99
71) Bromoform	10.799	173	13766	18.847	ug/l #	97
73) Isopropylbenzene	10.957	105	95325	18.828	ug/l	99
74) N-amyl acetate	10.841	43	47908	19.782	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	33971	19.101	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	29944m	19.422	ug/l	
77) Bromobenzene	11.195	156	21636	18.496	ug/l	99
78) n-propylbenzene	11.305	91	109219	18.729	ug/l	100
79) 2-Chlorotoluene	11.360	91	70992	19.042	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	82413	19.685	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	7708	16.968	ug/l	89
82) 4-Chlorotoluene	11.451	91	79146	19.041	ug/l	100
83) tert-Butylbenzene	11.713	119	81006	19.544	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	81630	19.427	ug/l	99
85) sec-Butylbenzene	11.890	105	100015	19.646	ug/l	99
86) p-Isopropyltoluene	12.006	119	80710	19.230	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	39819	18.700	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	40207	18.625	ug/l	97
89) n-Butylbenzene	12.329	91	70013	19.237	ug/l	98
90) Hexachloroethane	12.536	117	12972	17.984	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	41172	19.448	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7559	20.323	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	23156	19.650	ug/l	95
94) Hexachlorobutadiene	13.725	225	9675	19.053	ug/l	98
95) Naphthalene	13.774	128	87280	19.903	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	23791	19.280	ug/l	98

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

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