

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042425\
 Data File : VX045918.D
 Acq On : 24 Apr 2025 11:41
 Operator : JC/MD
 Sample : VX0424WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0424WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/25/2025
 Supervised By : Mahesh Dadoda 04/25/2025

Quant Time: Apr 25 02:25:54 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	80523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	137688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	77921	52.915	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.840%			
35) Dibromofluoromethane	5.379	113	53545	54.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.620%			
50) Toluene-d8	8.647	98	175806	51.560	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.120%			
62) 4-Bromofluorobenzene	11.079	95	67611	54.437	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.880%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	20625	17.127	ug/l	97
3) Chloromethane	1.307	50	20320	16.425	ug/l	99
4) Vinyl Chloride	1.374	62	18368	16.224	ug/l	99
5) Bromomethane	1.599	94	9397	17.505	ug/l	96
6) Chloroethane	1.672	64	11118	18.509	ug/l	98
7) Trichlorofluoromethane	1.880	101	31882	18.884	ug/l	98
8) Diethyl Ether	2.136	74	11013	19.430	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.319	101	19816	20.030	ug/l	97
10) Methyl Iodide	2.447	142	22027	17.850	ug/l	97
11) Tert butyl alcohol	2.971	59	21203	107.140	ug/l	100
12) 1,1-Dichloroethene	2.312	96	17154	17.745	ug/l	98
13) Acrolein	2.233	56	28602	104.953	ug/l	99
14) Allyl chloride	2.660	41	34403	18.757	ug/l	100
15) Acrylonitrile	3.062	53	62012	99.267	ug/l	100
16) Acetone	2.380	43	59261	98.005	ug/l	98
17) Carbon Disulfide	2.501	76	32264	13.513	ug/l	98
18) Methyl Acetate	2.703	43	35651	25.608	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	68259	20.185	ug/l	98
20) Methylene Chloride	2.782	84	21741	19.205	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	16999	17.213	ug/l	98
22) Diisopropyl ether	3.757	45	72429	20.047	ug/l	88
23) Vinyl Acetate	3.715	43	302424	96.880	ug/l	98
24) 1,1-Dichloroethane	3.605	63	38973	19.074	ug/l	98
25) 2-Butanone	4.556	43	89401	101.005	ug/l	98
26) 2,2-Dichloropropane	4.465	77	28064	21.258	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	22786	18.938	ug/l	98
28) Bromochloromethane	4.891	49	21209	21.479	ug/l	100
29) Tetrahydrofuran	5.001	42	54480	94.938	ug/l	99
30) Chloroform	5.086	83	42672	20.296	ug/l	96
31) Cyclohexane	5.458	56	32281	17.871	ug/l	91
32) 1,1,1-Trichloroethane	5.373	97	35003	19.675	ug/l	98
36) 1,1-Dichloropropene	5.690	75	25352	19.220	ug/l	97
37) Ethyl Acetate	4.715	43	33811	20.341	ug/l	99
38) Carbon Tetrachloride	5.666	117	29172	20.464	ug/l	94
39) Methylcyclohexane	7.373	83	31083	19.225	ug/l	97
40) Benzene	6.031	78	78950	19.598	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	18543	21.143	ug/l	98
42) 1,2-Dichloroethane	6.080	62	35874	21.561	ug/l	99
43) Isopropyl Acetate	6.342	43	52872	20.987	ug/l	99
44) Trichloroethene	7.123	130	18619	19.446	ug/l	99
45) 1,2-Dichloropropane	7.427	63	20918	20.812	ug/l	97
46) Dibromomethane	7.580	93	15843	20.533	ug/l	97
47) Bromodichloromethane	7.818	83	32258	20.935	ug/l	98
48) Methyl methacrylate	7.690	41	27329	21.010	ug/l	98
49) 1,4-Dioxane	7.659	88	10431	443.224	ug/l	95
51) 4-Methyl-2-Pentanone	8.567	43	180937	108.339	ug/l	99
52) Toluene	8.714	92	48095	19.731	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	26552	19.388	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	30088	20.779	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	20489	21.093	ug/l	94
56) Ethyl methacrylate	9.116	69	32585	21.676	ug/l	98
57) 1,3-Dichloropropane	9.305	76	36524	21.593	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.238	63	83887	110.311	ug/l	100
59) 2-Hexanone	9.427	43	133913	108.278	ug/l	98
60) Dibromochloromethane	9.519	129	22921	21.645	ug/l	97
61) 1,2-Dibromoethane	9.604	107	20657	21.008	ug/l	99
64) Tetrachloroethene	9.269	164	17216	20.027	ug/l	97
65) Chlorobenzene	10.073	112	53084	20.404	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	19084	21.128	ug/l	96
67) Ethyl Benzene	10.189	91	94193	20.215	ug/l	99
68) m/p-Xylenes	10.299	106	68395	40.357	ug/l	98
69) o-Xylene	10.640	106	34011	20.372	ug/l	98
70) Styrene	10.652	104	57321	20.803	ug/l	98
71) Bromoform	10.799	173	13765	20.410	ug/l #	98
73) Isopropylbenzene	10.957	105	92259	19.912	ug/l	99
74) N-amyl acetate	10.841	43	44061	19.880	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	32732	20.110	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	27956m	19.814	ug/l	
77) Bromobenzene	11.195	156	21604	20.180	ug/l	96
78) n-propylbenzene	11.299	91	106194	19.898	ug/l	100
79) 2-Chlorotoluene	11.360	91	66893	19.606	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	77556	20.242	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7249	17.437	ug/l	92
82) 4-Chlorotoluene	11.451	91	75774	19.919	ug/l	100
83) tert-Butylbenzene	11.713	119	76342	20.126	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	78152	20.323	ug/l	100
85) sec-Butylbenzene	11.890	105	96801	20.777	ug/l	100
86) p-Isopropyltoluene	12.006	119	77707	20.231	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	38159	19.581	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	39299	19.892	ug/l	99
89) n-Butylbenzene	12.329	91	67662	20.314	ug/l	98
90) Hexachloroethane	12.536	117	13029	19.738	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	40275	20.788	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7352	21.598	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	22007	20.406	ug/l	97
94) Hexachlorobutadiene	13.719	225	9660	20.787	ug/l	99
95) Naphthalene	13.774	128	81538	20.317	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	23147	20.497	ug/l	99

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

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