

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070124\
 Data File : VX042104.D
 Acq On : 01 Jul 2024 11:12
 Operator : JC/MD
 Sample : VX0701WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Jul 01 16:05:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	176290	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	247080	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	121352	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89996	44.271	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.540%
35) Dibromofluoromethane	5.385	113	83406	47.575	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.140%
50) Toluene-d8	8.647	98	284941	46.264	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.520%
62) 4-Bromofluorobenzene	11.079	95	108150	47.636	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.280%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	29265	21.790	ug/l	98
3) Chloromethane	1.301	50	31570	18.737	ug/l	98
4) Vinyl Chloride	1.374	62	30722	18.190	ug/l	98
5) Bromomethane	1.599	94	17685	21.205	ug/l	99
6) Chloroethane	1.666	64	16769	22.169	ug/l	99
7) Trichlorofluoromethane	1.874	101	46653	21.083	ug/l	97
8) Diethyl Ether	2.136	74	17462	16.811	ug/l	84
9) 1,1,2-Trichlorotrifluo...	2.319	101	29759	19.523	ug/l	# 85
10) Methyl Iodide	2.447	142	36756	19.401	ug/l	# 86
11) Tert butyl alcohol	2.995	59	36061	93.471	ug/l	# 94
12) 1,1-Dichloroethene	2.313	96	29386	19.326	ug/l	# 78
13) Acrolein	2.240	56	48054	111.117	ug/l	99
14) Allyl chloride	2.660	41	45807	18.996	ug/l	90
15) Acrylonitrile	3.069	53	86843	86.178	ug/l	99
16) Acetone	2.392	43	79684	89.269	ug/l	# 86
17) Carbon Disulfide	2.502	76	62717	20.229	ug/l	99
18) Methyl Acetate	2.709	43	36568	15.017	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	92951	18.504	ug/l	100
20) Methylene Chloride	2.788	84	33787	17.286	ug/l	# 87
21) trans-1,2-Dichloroethene	3.087	96	29888	19.368	ug/l	86
22) Diisopropyl ether	3.764	45	92104	18.070	ug/l	94
23) Vinyl Acetate	3.721	43	405242	93.094	ug/l	# 95
24) 1,1-Dichloroethane	3.611	63	53409	18.711	ug/l	97
25) 2-Butanone	4.568	43	118830	85.569	ug/l	92
26) 2,2-Dichloropropane	4.471	77	40856	19.765	ug/l	91
27) cis-1,2-Dichloroethene	4.489	96	36114	18.685	ug/l	86
28) Bromochloromethane	4.904	49	20967	17.149	ug/l	# 69
29) Tetrahydrofuran	5.013	42	75113	83.750	ug/l	92
30) Chloroform	5.093	83	55206	18.564	ug/l	98
31) Cyclohexane	5.465	56	45321	19.064	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	47844	19.254	ug/l	95
36) 1,1-Dichloropropene	5.690	75	36251	19.472	ug/l	94
37) Ethyl Acetate	4.727	43	44856	18.496	ug/l	98
38) Carbon Tetrachloride	5.672	117	41553	20.201	ug/l	99
39) Methylcyclohexane	7.379	83	48035	20.402	ug/l	92
40) Benzene	6.038	78	123234	19.627	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	4.922	41	23253	17.688	ug/l	#	90
42) 1,2-Dichloroethane	6.086	62	39216	19.390	ug/l		91
43) Isopropyl Acetate	6.349	43	66673	17.911	ug/l	#	94
44) Trichloroethene	7.129	130	33724	20.038	ug/l		84
45) 1,2-Dichloropropane	7.434	63	28148	18.232	ug/l		98
46) Dibromomethane	7.586	93	21303	18.938	ug/l	#	73
47) Bromodichloromethane	7.824	83	38769	18.772	ug/l		98
48) Methyl methacrylate	7.696	41	32191	18.120	ug/l	#	84
49) 1,4-Dioxane	7.671	88	16580	365.616	ug/l	#	83
51) 4-Methyl-2-Pentanone	8.574	43	227664	88.786	ug/l		95
52) Toluene	8.720	92	79361	19.849	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	39520	18.950	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	44027	19.471	ug/l	#	86
55) 1,1,2-Trichloroethane	9.153	97	31590	18.966	ug/l		96
56) Ethyl methacrylate	9.116	69	48163	18.587	ug/l	#	86
57) 1,3-Dichloropropane	9.311	76	51244	19.043	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.245	63	115112	95.328	ug/l		93
59) 2-Hexanone	9.433	43	175667	89.446	ug/l		91
60) Dibromochloromethane	9.519	129	34945	19.315	ug/l		99
61) 1,2-Dibromoethane	9.610	107	33600	19.452	ug/l		99
64) Tetrachloroethene	9.275	164	33227	20.459	ug/l		90
65) Chlorobenzene	10.080	112	90648	19.540	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	32153	19.796	ug/l		99
67) Ethyl Benzene	10.195	91	143381	19.722	ug/l		97
68) m/p-Xylenes	10.299	106	117106	39.902	ug/l		92
69) o-Xylene	10.640	106	58228	20.040	ug/l		92
70) Styrene	10.653	104	96726	19.852	ug/l		94
71) Bromoform	10.799	173	27871	18.824	ug/l	#	99
73) Isopropylbenzene	10.964	105	148755	20.160	ug/l		96
74) N-amyl acetate	10.842	43	58883	17.965	ug/l		94
75) 1,1,2,2-Tetrachloroethane	11.214	83	50225	18.306	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	39641m	17.994	ug/l		
77) Bromobenzene	11.195	156	43066	19.597	ug/l		77
78) n-propylbenzene	11.305	91	158809	19.836	ug/l		95
79) 2-Chlorotoluene	11.366	91	100138	19.413	ug/l		92
80) 1,3,5-Trimethylbenzene	11.451	105	122936	20.003	ug/l		95
81) trans-1,4-Dichloro-2-b...	11.018	75	13814	17.808	ug/l		92
82) 4-Chlorotoluene	11.451	91	113224	19.856	ug/l		92
83) tert-Butylbenzene	11.713	119	131832	19.549	ug/l		90
84) 1,2,4-Trimethylbenzene	11.750	105	125896	20.418	ug/l		93
85) sec-Butylbenzene	11.890	105	152549	20.000	ug/l		96
86) p-Isopropyltoluene	12.006	119	132990	19.959	ug/l		94
87) 1,3-Dichlorobenzene	11.969	146	75375	19.514	ug/l		94
88) 1,4-Dichlorobenzene	12.043	146	75676	19.095	ug/l		96
89) n-Butylbenzene	12.329	91	98218	19.149	ug/l		98
90) Hexachloroethane	12.536	117	21652	19.087	ug/l	#	57
91) 1,2-Dichlorobenzene	12.335	146	76159	19.268	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	10069	18.519	ug/l	#	51
93) 1,2,4-Trichlorobenzene	13.585	180	49382	19.072	ug/l		94
94) Hexachlorobutadiene	13.725	225	25204	19.250	ug/l		99
95) Naphthalene	13.774	128	147632	17.462	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	52019	19.049	ug/l		96

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

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