

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092724\
 Data File : VN084196.D
 Acq On : 27 Sep 2024 10:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 28 00:58:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024
 Supervised By :Mahesh Dadoda 09/30/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	156855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	266639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	244816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124169	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.577	65	115582	48.869	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.740%
35) Dibromofluoromethane	8.165	113	89737	52.570	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.140%
50) Toluene-d8	10.565	98	323090	54.750	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	109.500%
62) 4-Bromofluorobenzene	12.847	95	124109	50.976	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.960%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.124	85	67501	37.055	ug/l	97
3) Chloromethane	2.359	50	77011	41.070	ug/l	99
4) Vinyl Chloride	2.518	62	79529	39.831	ug/l	98
5) Bromomethane	2.953	94	49405	43.096	ug/l	93
6) Chloroethane	3.118	64	53787	38.403	ug/l	96
7) Trichlorofluoromethane	3.495	101	141089	41.629	ug/l	99
8) Diethyl Ether	3.959	74	49995	44.006	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.377	101	83179	46.302	ug/l	98
10) Methyl Iodide	4.589	142	97692	42.759	ug/l	99
11) Tert butyl alcohol	5.518	59	76959	242.991	ug/l	100
12) 1,1-Dichloroethene	4.342	96	73529	43.340	ug/l	90
13) Acrolein	4.177	56	77383	247.631	ug/l	97
14) Allyl chloride	5.024	41	123330	40.797	ug/l	96
15) Acrylonitrile	5.718	53	233495	271.092	ug/l	100
16) Acetone	4.424	43	277437	292.614	ug/l	96
17) Carbon Disulfide	4.712	76	172914	36.436	ug/l	98
18) Methyl Acetate	5.024	43	117801	60.003	ug/l	98
19) Methyl tert-butyl Ether	5.800	73	289780	47.202	ug/l	100
20) Methylene Chloride	5.277	84	91496	47.157	ug/l	93
21) trans-1,2-Dichloroethene	5.789	96	78336	43.085	ug/l	88
22) Diisopropyl ether	6.671	45	317744	51.060	ug/l	99
23) Vinyl Acetate	6.600	43	1114557	244.571	ug/l	98
24) 1,1-Dichloroethane	6.571	63	168920	47.116	ug/l	98
25) 2-Butanone	7.483	43	344318	276.301	ug/l	99
26) 2,2-Dichloropropane	7.488	77	155021	46.952	ug/l	97
27) cis-1,2-Dichloroethene	7.488	96	103322	47.871	ug/l	100
28) Bromochloromethane	7.818	49	84374	55.884	ug/l	93
29) Tetrahydrofuran	7.835	42	201544	273.521	ug/l	96
30) Chloroform	7.965	83	181755	47.752	ug/l	97
31) Cyclohexane	8.259	56	130631	38.215	ug/l	96
32) 1,1,1-Trichloroethane	8.171	97	160033	45.726	ug/l	97
36) 1,1-Dichloropropene	8.371	75	118615	46.167	ug/l	98
37) Ethyl Acetate	7.559	43	129614	55.578	ug/l	97
38) Carbon Tetrachloride	8.359	117	133594	45.833	ug/l	100
39) Methylcyclohexane	9.600	83	123286	42.157	ug/l	97
40) Benzene	8.606	78	375932	48.613	ug/l	100

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/30/2024
 Supervised By :Mahesh Dadoda 09/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	73328	53.161	ug/l	98
42) 1,2-Dichloroethane	8.671	62	134776	46.642	ug/l	99
43) Isopropyl Acetate	8.688	43	214238	50.694	ug/l	97
44) Trichloroethene	9.347	130	85402	47.689	ug/l	97
45) 1,2-Dichloropropane	9.624	63	96162	51.449	ug/l	100
46) Dibromomethane	9.706	93	67212	51.340	ug/l	99
47) Bromodichloromethane	9.888	83	148529	52.423	ug/l	99
48) Methyl methacrylate	9.677	41	103478	51.609	ug/l	96
49) 1,4-Dioxane	9.694	88	35284	1069.724	ug/l #	95
51) 4-Methyl-2-Pentanone	10.441	43	665824	289.426	ug/l	99
52) Toluene	10.629	92	233747	49.416	ug/l	97
53) t-1,3-Dichloropropene	10.835	75	145251	50.577	ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	152406	50.521	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	92422	52.337	ug/l	98
56) Ethyl methacrylate	10.876	69	151249	55.669	ug/l	97
57) 1,3-Dichloropropane	11.165	76	157979	52.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	338635	345.911	ug/l	97
59) 2-Hexanone	11.194	43	507645	298.311	ug/l	100
60) Dibromochloromethane	11.359	129	109403	55.358	ug/l	99
61) 1,2-Dibromoethane	11.471	107	90060	51.137	ug/l	100
64) Tetrachloroethene	11.100	164	74873	45.988	ug/l	94
65) Chlorobenzene	11.888	112	255056	46.875	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	94098	49.885	ug/l	99
67) Ethyl Benzene	11.965	91	461224	47.717	ug/l	100
68) m/p-Xylenes	12.071	106	348629	97.150	ug/l	98
69) o-Xylene	12.394	106	164922	47.473	ug/l	98
70) Styrene	12.412	104	292756	51.348	ug/l	99
71) Bromoform	12.576	173	71614	56.340	ug/l #	98
73) Isopropylbenzene	12.694	105	438315	45.627	ug/l	99
74) N-aryl acetate	12.494	43	193642	47.245	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	135657	48.062	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	115310m	46.023	ug/l	
77) Bromobenzene	12.976	156	105500	45.624	ug/l	97
78) n-propylbenzene	13.035	91	529532	47.376	ug/l	99
79) 2-Chlorotoluene	13.123	91	327025	45.877	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	380733	47.009	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	52828	55.223	ug/l	96
82) 4-Chlorotoluene	13.217	91	334819	46.806	ug/l	98
83) tert-Butylbenzene	13.435	119	320831	45.277	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	382109	46.967	ug/l	100
85) sec-Butylbenzene	13.617	105	454163	48.328	ug/l	99
86) p-Isopropyltoluene	13.729	119	374636	47.557	ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	201437	46.158	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	197647	44.727	ug/l	99
89) n-Butylbenzene	14.053	91	329677	46.612	ug/l	99
90) Hexachloroethane	14.335	117	72035	45.490	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	194798	46.251	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26615	47.302	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	93396	41.324	ug/l	100
94) Hexachlorobutadiene	15.500	225	43360	45.175	ug/l	99
95) Naphthalene	15.641	128	301646	43.869	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	94420	43.713	ug/l	99

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Supervised By :Mahesh Dadoda 09/30/2024

Quant Time: Sep 28 00:58:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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The chromatogram displays a complex mixture of compounds over a 60-minute period. The y-axis represents abundance from 350,000 to 1,350,000, and the x-axis represents time from 0 to 60 minutes. Numerous peaks are identified and labeled with their corresponding chemical names.

Approximate Retention Time (min)	Labeled Compound(s)
~1.5	Vinyl Acetate, T
~2.5	Tetrahydrofuran, T
~3.5	Dichlorodifluoromethane, S
~4.5	Carbon tetrachloride, T
~5.5	Benzene, TM
~7.5	1,4-Difluorobenzene, I
~9.5	1,2-Dichloroethane, T
~11.5	1,2-Dichloropropane, T
~13.5	2-Chloroethyl Vinyl ether, T
~15.5	4-Methyl-2-Pentanone, T
~17.5	Toluene-d8, CM
~19.5	Tetrachloroethene, T
~21.5	2-Hexanone, T
~23.5	Chlorobenzene, PM
~25.5	N-amyl acetate, T
~27.5	Isopropylbenzene, T
~29.5	4-Bromofluorobenzene, S
~31.5	1,2-Dichloropropane, T
~33.5	1,3,5-Trimethylbenzene, T
~35.5	sec-Butylbenzene, T
~37.5	tert-Butylbenzene, T
~39.5	1,4-Dichlorobenzene, T
~41.5	Hexachloroethane, T
~43.5	1,2-Dichlorobenzene, T
~45.5	Naphthalene, T
~47.5	1,2,4-Trimethylbenzene, T
~49.5	p-Butylbenzene, T
~51.5	m,p-Xylenes, T
~53.5	Ethylacetate, T
~55.5	Diethylterephthalate, T
~57.5	1-Ethyl-2-methylpropanediol, T
~59.5	1-Ethyl-2-methylpropanediol, T