

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020323\
 Data File : VN076527.D
 Acq On : 03 Feb 2023 12:50
 Operator : JC\MD
 Sample : VN0203WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0203WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/06/2023
 Supervised By : Mahesh Dadoda 02/06/2023

Quant Time: Feb 03 22:14:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	518829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	866325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	773347	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	362892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	300602	51.745	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.500%			
35) Dibromofluoromethane	8.171	113	263763	48.672	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.340%			
50) Toluene-d8	10.571	98	971723	48.553	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.100%			
62) 4-Bromofluorobenzene	12.847	95	358501	54.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	82922	15.596	ug/l	95
3) Chloromethane	2.377	50	86955	15.796	ug/l	100
4) Vinyl Chloride	2.530	62	84124	12.463	ug/l	97
5) Bromomethane	2.971	94	68794	12.446	ug/l	91
6) Chloroethane	3.136	64	60559	11.965	ug/l	93
7) Trichlorofluoromethane	3.512	101	164644	17.730	ug/l	97
8) Diethyl Ether	3.977	74	58579	18.807	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.389	101	96828	18.419	ug/l	97
10) Methyl Iodide	4.606	142	124795	15.541	ug/l	97
11) Tert butyl alcohol	5.524	59	65342	84.093	ug/l	99
12) 1,1-Dichloroethene	4.353	96	86304	17.367	ug/l	89
13) Acrolein	4.195	56	91958	98.960	ug/l	100
14) Allyl chloride	5.036	41	110078	19.008	ug/l	91
15) Acrylonitrile	5.730	53	201226	91.004	ug/l	98
16) Acetone	4.442	43	192671	103.417	ug/l	97
17) Carbon Disulfide	4.730	76	180384	14.578	ug/l	99
18) Methyl Acetate	5.042	43	117132	18.559	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	315085	19.476	ug/l	99
20) Methylene Chloride	5.283	84	102314	18.184	ug/l	98
21) trans-1,2-Dichloroethene	5.795	96	92828	17.243	ug/l	95
22) Diisopropyl ether	6.683	45	278776	20.413	ug/l	96
23) Vinyl Acetate	6.612	43	840170	95.189	ug/l	99
24) 1,1-Dichloroethane	6.577	63	173662	19.077	ug/l	97
25) 2-Butanone	7.489	43	258429	90.860	ug/l	94
26) 2,2-Dichloropropane	7.500	77	153961	20.067	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	113407	18.061	ug/l	97
28) Bromochloromethane	7.818	49	75530	20.470	ug/l	99
29) Tetrahydrofuran	7.841	42	159656	90.950	ug/l	96
30) Chloroform	7.971	83	196163	19.474	ug/l	98
31) Cyclohexane	8.265	56	145676	16.324	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	175129	19.043	ug/l	91
36) 1,1-Dichloropropene	8.377	75	133440	17.329	ug/l	98
37) Ethyl Acetate	7.565	43	103643	16.804	ug/l	96
38) Carbon Tetrachloride	8.365	117	149747	17.438	ug/l	99
39) Methylcyclohexane	9.606	83	157825	16.783	ug/l	99
40) Benzene	8.612	78	406279	17.644	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	56728	17.541	ug/l	98
42) 1,2-Dichloroethane	8.677	62	143522	18.217	ug/l	100
43) Isopropyl Acetate	8.694	43	190270	18.936	ug/l	97
44) Trichloroethene	9.359	130	107135	16.451	ug/l	99
45) 1,2-Dichloropropane	9.624	63	100076	18.153	ug/l	99
46) Dibromomethane	9.712	93	72474	17.412	ug/l	97
47) Bromodichloromethane	9.888	83	153127	18.968	ug/l	98
48) Methyl methacrylate	9.683	41	82060	17.251	ug/l	95
49) 1,4-Dioxane	9.700	88	35040	349.095	ug/l	96
51) 4-Methyl-2-Pentanone	10.447	43	531145	90.046	ug/l	100
52) Toluene	10.630	92	266439	17.303	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	149922	19.481	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	167065	18.870	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	106022	18.013	ug/l	97
56) Ethyl methacrylate	10.877	69	148060	19.485	ug/l	95
57) 1,3-Dichloropropane	11.165	76	175562	18.355	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	197145	76.852	ug/l	100
59) 2-Hexanone	11.194	43	381314	89.208	ug/l	97
60) Dibromochloromethane	11.359	129	117694	18.996	ug/l	98
61) 1,2-Dibromoethane	11.471	107	104914	17.858	ug/l	99
64) Tetrachloroethene	11.106	164	118251	16.956	ug/l	96
65) Chlorobenzene	11.894	112	293769	17.970	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	112696	18.528	ug/l	99
67) Ethyl Benzene	11.965	91	519410	18.565	ug/l	99
68) m/p-Xylenes	12.077	106	405562	36.150	ug/l	96
69) o-Xylene	12.400	106	201665	18.304	ug/l	97
70) Styrene	12.412	104	326187	18.542	ug/l	98
71) Bromoform	12.576	173	79210	18.033	ug/l #	99
73) Isopropylbenzene	12.700	105	530446	18.895	ug/l	99
74) N-amyl acetate	12.494	43	147239	18.233	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	141365	17.517	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	129120m	18.942	ug/l	
77) Bromobenzene	12.982	156	123233	18.421	ug/l	94
78) n-propylbenzene	13.035	91	599015	18.911	ug/l	99
79) 2-Chlorotoluene	13.124	91	373152	19.197	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	453098	19.265	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	39323	18.029	ug/l	97
82) 4-Chlorotoluene	13.124	91	373152	19.197	ug/l	98
83) tert-Butylbenzene	13.441	119	398923	19.071	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	454641	19.278	ug/l	98
85) sec-Butylbenzene	13.618	105	563851	19.426	ug/l	99
86) p-Isopropyltoluene	13.729	119	465042	19.484	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	232681	17.585	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	228020	18.180	ug/l	98
89) n-Butylbenzene	14.059	91	363361	19.178	ug/l	99
90) Hexachloroethane	14.335	117	76497	18.570	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	227584	17.269	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	23084	16.455	ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	115550	18.977	ug/l	99
94) Hexachlorobutadiene	15.500	225	67551	19.315	ug/l	99
95) Naphthalene	15.641	128	320415	18.208	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	110319	18.909	ug/l	99

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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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TIC: VN076527.D\data.ms

Abundance

Time-->

Chlorodifluoromethane, T
Chloromethane, P
Vinyl Chloride, C
Bromomethane, T
Chloroethane, T
Trichlorofluoromethane, T
Diethyl Ether, T
Acrolein, T
Acetone, T
1,1,1-Trifluoroethane, T
Methyl iodide, T
Carbon Disulfide, T
Methyl acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T
trans-1,2-Dichloroethane, T
1,1-Dichloroethane, T
Diisopropyl ether, T
Vinyl Acetate, T
Ethyl Acetate, T
Methacrylonitrile, T
Chloroform, C
Cyclohexane, T
1,1,1-Trichloroethane, T
Isobutyl acetate, T
1,1,1-Trichloroethane, T
1,4-Difluorobenzene, I
Trichloroethene, TM
Dibromochloromethane, T
Bromodichloromethane, T
dis-1,3-Dichloropropene, T
2-Chloroethyl Vinyl ether, T
Toluene, CM
1,1,2-Trichloroethane, T
1,2-Dichloropropane, T
1,2-Dibromochloromethane, T
1,2-Dichloroethane, T
Chlorobenzene, PM
Chlorobenzene-d5, I
1,1,1,2-Tetrafluoroethane, C
m,p-Xylenes, T
Styrene, T
N-amyl acetate, T
Bromoform, P
trans-1,4-Dichloro-2-butene, T
Isopropylbenzene, T
4-Bromofluorobenzene, S
1,1,2,2-Tetrachloroethane, T
1,2,3,5-Trimethylbenzene, T
1,2,4-Trimethylbenzene, T
sec-Butylbenzene, T
1,4-Dichlorobenzene, T
1,2-Dichlorobenzene, T
Hexachloroethane, T
1,2-Dibromo-3-Chloropropane, T
1,2,4-Trichlorobenzene, T
Hexachlorobutadiene, T
Naphthalene, T
1,2,3-Trichlorobenzene, T