

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021423\
 Data File : VN076656.D
 Acq On : 14 Feb 2023 12:53
 Operator : JC\MD
 Sample : VN0214WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0214WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2023
 Supervised By : Mahesh Dadoda 02/15/2023

Quant Time: Feb 14 15:17:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	305751	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	538862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	502416	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	238941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	203530	48.207	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.420%		
35) Dibromofluoromethane	8.172	113	163411	46.306	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.620%		
50) Toluene-d8	10.572	98	616144	46.752	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.500%		
62) 4-Bromofluorobenzene	12.854	95	209368	47.966	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.940%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	66855	20.593	ug/l	93
3) Chloromethane	2.372	50	78179	18.457	ug/l	100
4) Vinyl Chloride	2.531	62	80866	19.398	ug/l	96
5) Bromomethane	2.966	94	56794	22.485	ug/l	96
6) Chloroethane	3.137	64	54295	20.609	ug/l	94
7) Trichlorofluoromethane	3.513	101	108357	19.104	ug/l	96
8) Diethyl Ether	3.966	74	45464	20.801	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.390	101	64916	19.478	ug/l	99
10) Methyl Iodide	4.602	142	80702	19.608	ug/l	96
11) Tert butyl alcohol	5.531	59	60050	107.754	ug/l	98
12) 1,1-Dichloroethene	4.354	96	60633	19.213	ug/l	92
13) Acrolein	4.184	56	87809	104.952	ug/l	100
14) Allyl chloride	5.031	41	111186	20.333	ug/l	97
15) Acrylonitrile	5.731	53	211531	106.954	ug/l	99
16) Acetone	4.437	43	176243	93.453	ug/l	100
17) Carbon Disulfide	4.719	76	160281	19.236	ug/l #	94
18) Methyl Acetate	5.043	43	131040	21.287	ug/l	99
19) Methyl tert-butyl Ether	5.807	73	233254	21.922	ug/l	95
20) Methylene Chloride	5.296	84	77380	19.577	ug/l	97
21) trans-1,2-Dichloroethene	5.796	96	69629	19.600	ug/l	88
22) Diisopropyl ether	6.684	45	278983	21.752	ug/l	96
23) Vinyl Acetate	6.613	43	944833	124.509	ug/l	98
24) 1,1-Dichloroethane	6.578	63	141328	20.106	ug/l	99
25) 2-Butanone	7.490	43	289232	103.971	ug/l	99
26) 2,2-Dichloropropane	7.501	77	104611	20.633	ug/l	98
27) cis-1,2-Dichloroethene	7.501	96	82750	19.639	ug/l	96
28) Bromochloromethane	7.819	49	62408	18.654	ug/l	91
29) Tetrahydrofuran	7.848	42	186982	102.877	ug/l	99
30) Chloroform	7.972	83	140377	19.988	ug/l	98
31) Cyclohexane	8.260	56	134269	20.274	ug/l	93
32) 1,1,1-Trichloroethane	8.178	97	119170	20.181	ug/l	98
36) 1,1-Dichloropropene	8.378	75	100666	19.744	ug/l	99
37) Ethyl Acetate	7.566	43	118898	22.164	ug/l	98
38) Carbon Tetrachloride	8.366	117	99755	19.394	ug/l	97
39) Methylcyclohexane	9.601	83	122169	21.080	ug/l	92
40) Benzene	8.613	78	324353	20.715	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.778	41	66077	21.262	ug/l	96
42) 1,2-Dichloroethane	8.678	62	111413	20.402	ug/l	100
43) Isopropyl Acetate	8.695	43	192505	22.053	ug/l	99
44) Trichloroethene	9.354	130	70970	19.181	ug/l	84
45) 1,2-Dichloropropane	9.625	63	84965	20.499	ug/l	94
46) Dibromomethane	9.713	93	57217	21.593	ug/l	96
47) Bromodichloromethane	9.889	83	111795	21.043	ug/l #	96
48) Methyl methacrylate	9.684	41	93005	22.453	ug/l	96
49) 1,4-Dioxane	9.695	88	32656	455.750	ug/l #	80
51) 4-Methyl-2-Pentanone	10.448	43	612516	110.284	ug/l	99
52) Toluene	10.631	92	202714	21.444	ug/l	99
53) t-1,3-Dichloropropene	10.842	75	114668	22.362	ug/l	98
54) cis-1,3-Dichloropropene	10.319	75	130877	22.127	ug/l	96
55) 1,1,2-Trichloroethane	11.019	97	81338	21.160	ug/l	95
56) Ethyl methacrylate	10.878	69	119156	22.022	ug/l	95
57) 1,3-Dichloropropane	11.160	76	141647	21.448	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.160	63	275493	111.177	ug/l	97
59) 2-Hexanone	11.195	43	446692	111.544	ug/l	98
60) Dibromochloromethane	11.360	129	82138	20.275	ug/l	99
61) 1,2-Dibromoethane	11.472	107	80859	21.015	ug/l	94
64) Tetrachloroethene	11.107	164	61878	19.543	ug/l	94
65) Chlorobenzene	11.895	112	213737	20.074	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.966	131	75901	19.625	ug/l	98
67) Ethyl Benzene	11.966	91	374066	20.621	ug/l	97
68) m/p-Xylenes	12.072	106	296316	42.378	ug/l	96
69) o-Xylene	12.401	106	145114	21.280	ug/l	99
70) Styrene	12.413	104	229838	20.843	ug/l	96
71) Bromoform	12.583	173	58393	20.584	ug/l #	93
73) Isopropylbenzene	12.695	105	361142	20.621	ug/l	99
74) N-amyl acetate	12.495	43	171313	21.701	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.942	83	123351	19.458	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	87023m	18.015	ug/l	
77) Bromobenzene	12.983	156	87321	19.984	ug/l	97
78) n-propylbenzene	13.036	91	437156	21.257	ug/l	99
79) 2-Chlorotoluene	13.124	91	254949	20.247	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	314803	21.750	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	38766	23.373	ug/l	92
82) 4-Chlorotoluene	13.124	91	254949	20.247	ug/l	99
83) tert-Butylbenzene	13.442	119	271229	20.715	ug/l	98
84) 1,2,4-Trimethylbenzene	13.483	105	315351	21.862	ug/l	99
85) sec-Butylbenzene	13.619	105	396884	21.711	ug/l	97
86) p-Isopropyltoluene	13.730	119	327451	22.432	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	166045	20.103	ug/l	97
88) 1,4-Dichlorobenzene	13.813	146	169318	20.585	ug/l	98
89) n-Butylbenzene	14.060	91	277786	21.879	ug/l	98
90) Hexachloroethane	14.342	117	59820	19.572	ug/l	96
91) 1,2-Dichlorobenzene	14.107	146	172598	20.383	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.719	75	22697	18.480	ug/l	96
93) 1,2,4-Trichlorobenzene	15.395	180	86193	20.406	ug/l	99
94) Hexachlorobutadiene	15.501	225	41052	19.830	ug/l	99
95) Naphthalene	15.642	128	279733	21.824	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	86006	21.017	ug/l	98

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

