

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021323\
 Data File : VN076620.D
 Acq On : 13 Feb 2023 10:16
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Feb 13 11:31:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 13 11:31:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	295439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	549134	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	477409	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	185712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l	
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%	#	
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%	#	
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%	#	
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%	#	
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	2950	0.961	ug/l	88
3) Chloromethane	2.372	50	5256	1.863	ug/l	97
4) Vinyl Chloride	2.531	62	4519	1.745	ug/l	88
6) Chloroethane	3.131	64	2034m	1.298	ug/l	
7) Trichlorofluoromethane	3.513	101	6009	1.177	ug/l #	72
8) Diethyl Ether	3.984	74	2315m	1.198	ug/l	
9) 1,1,2-Trichlorotrifluo...	4.384	101	3648	1.153	ug/l #	62
12) 1,1-Dichloroethene	4.354	96	3499	1.184	ug/l #	66
14) Allyl chloride	5.037	41	5806	1.509	ug/l #	64
15) Acrylonitrile	5.737	53	9962	7.309	ug/l	88
16) Acetone	4.448	43	12157	10.575	ug/l	91
17) Carbon Disulfide	4.725	76	9021	1.179	ug/l	99
18) Methyl Acetate	5.042	43	6727	1.849	ug/l #	59
19) Methyl tert-butyl Ether	5.801	73	10128	1.031	ug/l #	85
20) Methylene Chloride	5.289	84	4402	1.242	ug/l #	86
21) trans-1,2-Dichloroethene	5.813	96	4140m	1.289	ug/l	
22) Diisopropyl ether	6.689	45	12356	1.417	ug/l #	78
23) Vinyl Acetate	6.613	43	32188	5.899	ug/l #	89
24) 1,1-Dichloroethane	6.578	63	8068	1.441	ug/l #	83
25) 2-Butanone	7.501	43	15008m	9.082	ug/l	
26) 2,2-Dichloropropane	7.495	77	5453	1.167	ug/l	98
27) cis-1,2-Dichloroethene	7.501	96	5087	1.355	ug/l	85
28) Bromochloromethane	7.819	49	3158	1.407	ug/l #	71
29) Tetrahydrofuran	7.848	42	9243	8.703	ug/l #	78
30) Chloroform	7.978	83	7580	1.248	ug/l	91
32) 1,1,1-Trichloroethane	8.183	97	5917m	1.087	ug/l	
36) 1,1-Dichloropropene	8.378	75	5871	1.205	ug/l #	90
37) Ethyl Acetate	7.572	43	4564m	1.250	ug/l	
38) Carbon Tetrachloride	8.354	117	5390	1.029	ug/l	92
39) Methylcyclohexane	9.607	83	5442	0.899	ug/l	90
40) Benzene	8.613	78	16463	1.114	ug/l	91
41) Methacrylonitrile	7.789	41	2950	1.427	ug/l #	69
42) 1,2-Dichloroethane	8.672	62	6153	1.279	ug/l	85
43) Isopropyl Acetate	8.695	43	7932	1.305	ug/l #	93
44) Trichloroethene	9.354	130	3588	0.909	ug/l	86
45) 1,2-Dichloropropane	9.619	63	4500	1.268	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.713	93	2734	1.068	ug/l	90
47) Bromodichloromethane	9.889	83	5349	1.039	ug/l	87
48) Methyl methacrylate	9.695	41	4268	1.428	ug/l #	72
49) 1,4-Dioxane	9.701	88	1460m	22.840	ug/l	
51) 4-Methyl-2-Pentanone	10.448	43	25024	6.853	ug/l	87
52) Toluene	10.636	92	8842	0.927	ug/l	97
53) t-1,3-Dichloropropene	10.842	75	5051	1.016	ug/l	95
54) cis-1,3-Dichloropropene	10.313	75	5667	0.999	ug/l	96
55) 1,1,2-Trichloroethane	11.013	97	3781	1.012	ug/l #	79
56) Ethyl methacrylate	10.883	69	4520	0.904	ug/l #	52
57) 1,3-Dichloropropane	11.160	76	6668	1.103	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.160	63	10652	7.458	ug/l	95
59) 2-Hexanone	11.195	43	18766	7.208	ug/l	75
60) Dibromochloromethane	11.348	129	4398	1.118	ug/l	82
61) 1,2-Dibromoethane	11.466	107	4482	1.212	ug/l #	75
64) Tetrachloroethene	11.101	164	3211	0.808	ug/l #	70
65) Chlorobenzene	11.889	112	10775	1.091	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.960	131	3627	0.992	ug/l #	64
67) Ethyl Benzene	11.960	91	15484	0.882	ug/l	98
68) m/p-Xylenes	12.077	106	11245	1.645	ug/l	100
69) o-Xylene	12.401	106	5333	0.797	ug/l	90
70) Styrene	12.413	104	8171	0.767	ug/l #	88
71) Bromoform	12.571	173	2548	0.998	ug/l #	100
73) Isopropylbenzene	12.701	105	13036	0.857	ug/l	90
74) N-amyl acetate	12.495	43	6216	1.466	ug/l #	82
75) 1,1,2,2-Tetrachloroethane	12.942	83	6071	1.456	ug/l	98
76) 1,2,3-Trichloropropane	12.995	75	3523m	1.017	ug/l	
77) Bromobenzene	12.977	156	3842	1.086	ug/l	97
78) n-propylbenzene	13.036	91	15459	0.923	ug/l	95
79) 2-Chlorotoluene	13.130	91	10542	0.988	ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	9660	0.765	ug/l	89
82) 4-Chlorotoluene	13.130	91	10542	0.988	ug/l	96
83) tert-Butylbenzene	13.442	119	9790	0.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.489	105	9173	0.730	ug/l	99
85) sec-Butylbenzene	13.612	105	12245	0.803	ug/l	96
86) p-Isopropyltoluene	13.736	119	9171	0.734	ug/l	94
87) 1,3-Dichlorobenzene	13.736	146	6852	1.052	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	7273m	1.100	ug/l	
89) n-Butylbenzene	14.054	91	8687	0.878	ug/l	91
90) Hexachloroethane	14.342	117	2811	1.292	ug/l	77
91) 1,2-Dichlorobenzene	14.112	146	7218	1.124	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.718	75	1209	1.676	ug/l	67
93) 1,2,4-Trichlorobenzene	15.395	180	3353	1.140	ug/l	89
94) Hexachlorobutadiene	15.512	225	1861	1.125	ug/l	88
95) Naphthalene	15.648	128	8582	1.003	ug/l	98
96) 1,2,3-Trichlorobenzene	15.842	180	2557	0.908	ug/l	90

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

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