

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070824\
 Data File : VN082815.D
 Acq On : 08 Jul 2024 11:34
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2024
 Supervised By : Mahesh Dadoda 07/09/2024

Quant Time: Jul 08 13:22:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:14:54 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	159007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	267615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	241012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	110512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	44843	20.118	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	40.240%#		
35) Dibromofluoromethane	8.165	113	34532	20.109	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.220%#		
50) Toluene-d8	10.571	98	126378	19.926	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.860%#		
62) 4-Bromofluorobenzene	12.847	95	45541	19.989	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	39.980%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	35772	17.377	ug/l	99
3) Chloromethane	2.360	50	34794	17.822	ug/l	93
4) Vinyl Chloride	2.512	62	39204	19.121	ug/l	98
5) Bromomethane	2.942	94	29103	19.687	ug/l	98
6) Chloroethane	3.112	64	27048	19.277	ug/l	94
7) Trichlorofluoromethane	3.489	101	54177	18.371	ug/l	96
8) Diethyl Ether	3.965	74	19474	19.295	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.365	101	31417	18.823	ug/l	98
10) Methyl Iodide	4.583	142	30653	17.913	ug/l	93
11) Tert butyl alcohol	5.524	59	36701	97.896	ug/l	96
12) 1,1-Dichloroethene	4.330	96	30062	18.520	ug/l #	80
13) Acrolein	4.177	56	25388	93.798	ug/l	97
14) Allyl chloride	5.024	41	49734	19.651	ug/l	91
15) Acrylonitrile	5.718	53	84251	97.787	ug/l	99
16) Acetone	4.430	43	69999	89.198	ug/l	94
17) Carbon Disulfide	4.712	76	84689	17.460	ug/l	98
18) Methyl Acetate	5.030	43	36819	17.731	ug/l #	88
19) Methyl tert-butyl Ether	5.795	73	110099	19.663	ug/l	95
20) Methylene Chloride	5.277	84	35314	18.633	ug/l #	84
21) trans-1,2-Dichloroethene	5.783	96	34060	19.366	ug/l	86
22) Diisopropyl ether	6.677	45	106056	20.030	ug/l	97
23) Vinyl Acetate	6.606	43	425025	101.080	ug/l #	93
24) 1,1-Dichloroethane	6.571	63	63543	19.785	ug/l	97
25) 2-Butanone	7.483	43	117674	99.308	ug/l #	90
26) 2,2-Dichloropropane	7.489	77	60874	20.385	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	39763	19.311	ug/l	92
28) Bromochloromethane	7.812	49	26971	19.575	ug/l #	78
29) Tetrahydrofuran	7.841	42	74830	100.310	ug/l #	86
30) Chloroform	7.965	83	65971	19.362	ug/l	99
31) Cyclohexane	8.253	56	56951	19.543	ug/l	91
32) 1,1,1-Trichloroethane	8.165	97	62884	19.878	ug/l	96
36) 1,1-Dichloropropene	8.371	75	47023	19.861	ug/l	98
37) Ethyl Acetate	7.559	43	44783	18.579	ug/l #	94
38) Carbon Tetrachloride	8.365	117	55714	19.544	ug/l	98
39) Methylcyclohexane	9.600	83	49844	19.490	ug/l	93
40) Benzene	8.606	78	141624	19.446	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	26613	20.494	ug/l	96
42) 1,2-Dichloroethane	8.677	62	52120	19.879	ug/l	99
43) Isopropyl Acetate	8.688	43	102312	20.889	ug/l	98
44) Trichloroethene	9.353	130	37261	19.970	ug/l	93
45) 1,2-Dichloropropane	9.624	63	34621	20.362	ug/l	98
46) Dibromomethane	9.712	93	25968	19.605	ug/l	97
47) Bromodichloromethane	9.888	83	53763	19.644	ug/l	99
48) Methyl methacrylate	9.683	41	37663	19.927	ug/l #	88
49) 1,4-Dioxane	9.700	88	16625	405.531	ug/l	91
51) 4-Methyl-2-Pentanone	10.447	43	240308	100.562	ug/l	93
52) Toluene	10.630	92	91596	20.134	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	56950	20.199	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	58926	19.745	ug/l	89
55) 1,1,2-Trichloroethane	11.018	97	34086	20.375	ug/l	97
56) Ethyl methacrylate	10.877	69	53736	20.647	ug/l	88
57) 1,3-Dichloropropane	11.165	76	57819	19.525	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	134913	101.020	ug/l	94
59) 2-Hexanone	11.200	43	184214	103.685	ug/l	92
60) Dibromochloromethane	11.359	129	42676	20.029	ug/l	99
61) 1,2-Dibromoethane	11.471	107	36253	20.406	ug/l	100
64) Tetrachloroethene	11.106	164	35092	19.516	ug/l	98
65) Chlorobenzene	11.894	112	102037	19.757	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	36936	20.107	ug/l	99
67) Ethyl Benzene	11.965	91	171823	19.795	ug/l	96
68) m/p-Xylenes	12.077	106	133538	40.750	ug/l	97
69) o-Xylene	12.400	106	65258	20.783	ug/l	95
70) Styrene	12.412	104	106102	20.451	ug/l	100
71) Bromoform	12.582	173	29766	20.604	ug/l #	99
73) Isopropylbenzene	12.694	105	166182	20.694	ug/l	98
74) N-amyl acetate	12.494	43	69100	20.803	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	48149	20.020	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	38689m	17.698	ug/l	
77) Bromobenzene	12.982	156	41591	20.076	ug/l	93
78) n-propylbenzene	13.035	91	188334	20.398	ug/l	99
79) 2-Chlorotoluene	13.129	91	117405	19.957	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	135106	20.814	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	19473	20.101	ug/l	97
82) 4-Chlorotoluene	13.224	91	116588	20.022	ug/l	97
83) tert-Butylbenzene	13.441	119	117887	20.486	ug/l	95
84) 1,2,4-Trimethylbenzene	13.482	105	138273	20.900	ug/l	100
85) sec-Butylbenzene	13.618	105	160246	20.607	ug/l	99
86) p-Isopropyltoluene	13.729	119	132739	20.459	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	73937	19.756	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	74739	19.901	ug/l	98
89) n-Butylbenzene	14.059	91	115371	20.756	ug/l	100
90) Hexachloroethane	14.335	117	27232	19.836	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	72440	19.936	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	11044	19.849	ug/l	93
93) 1,2,4-Trichlorobenzene	15.394	180	39420	20.140	ug/l	99
94) Hexachlorobutadiene	15.500	225	17310	19.950	ug/l	98
95) Naphthalene	15.641	128	134862	20.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	39984	19.868	ug/l	98

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

