

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020624\
 Data File : VN080924.D
 Acq On : 06 Feb 2024 18:09
 Operator : JC\MD
 Sample : VSTDICC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/07/2024
 Supervised By : Mahesh Dadoda 02/07/2024

Quant Time: Feb 07 06:08:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 07 06:08:25 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	386454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	935191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	606969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	233013	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	2.124	85	4690	1.071	ug/l	98
3) Chloromethane	2.359	50	9229	0.673	ug/l	91
4) Vinyl Chloride	2.506	62	6411	1.121	ug/l	89
6) Chloroethane	3.118	64	4702m	1.163	ug/l	
7) Trichlorofluoromethane	3.500	101	7988	1.067	ug/l #	82
8) Diethyl Ether	3.947	74	3148	1.177	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.377	101	4974	1.181	ug/l #	85
12) 1,1-Dichloroethene	4.330	96	5064	1.222	ug/l #	49
14) Allyl chloride	5.030	41	5990	1.091	ug/l #	79
15) Acrylonitrile	5.712	53	9408	5.124	ug/l	90
16) Acetone	4.453	43	10191	6.354	ug/l #	86
17) Carbon Disulfide	4.718	76	12184	1.166	ug/l #	90
18) Methyl Acetate	5.036	43	8945	1.464	ug/l #	87
19) Methyl tert-butyl Ether	5.788	73	14498	1.051	ug/l #	76
20) Methylene Chloride	5.265	84	6298	1.296	ug/l #	73
21) trans-1,2-Dichloroethene	5.783	96	5439	1.169	ug/l #	57
22) Diisopropyl ether	6.671	45	12982	1.020	ug/l #	93
23) Vinyl Acetate	6.612	43	35781	4.267	ug/l #	95
24) 1,1-Dichloroethane	6.565	63	9279	1.120	ug/l #	91
25) 2-Butanone	7.482	43	15050	5.846	ug/l #	84
26) 2,2-Dichloropropane	7.494	77	8197	1.082	ug/l	79
27) cis-1,2-Dichloroethene	7.488	96	5526	1.023	ug/l	86
28) Bromochloromethane	7.824	49	4095	1.188	ug/l #	61
29) Tetrahydrofuran	7.847	42	8599	5.463	ug/l #	82
30) Chloroform	7.965	83	10286	1.123	ug/l #	80
32) 1,1,1-Trichloroethane	8.177	97	8143	1.026	ug/l #	51
36) 1,1-Dichloropropene	8.371	75	6513	0.872	ug/l	93
37) Ethyl Acetate	7.553	43	5180	0.917	ug/l #	88
38) Carbon Tetrachloride	8.365	117	6351	0.830	ug/l #	76
39) Methylcyclohexane	9.606	83	8152	0.980	ug/l #	78
40) Benzene	8.606	78	20036	0.882	ug/l	92
41) Methacrylonitrile	7.782	41	3500	1.040	ug/l	98
42) 1,2-Dichloroethane	8.665	62	7451	0.942	ug/l	81
43) Isopropyl Acetate	8.694	43	8516	0.820	ug/l #	94
44) Trichloroethene	9.353	130	7936	1.150	ug/l	82
45) 1,2-Dichloropropane	9.624	63	6588	1.074	ug/l #	82

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.706	93	4542	1.002	ug/l #	71
47) Bromodichloromethane	9.894	83	8773	0.989	ug/l #	80
48) Methyl methacrylate	9.688	41	6798	1.162	ug/l	84
49) 1,4-Dioxane	9.706	88	2855	26.420	ug/l #	27
51) 4-Methyl-2-Pentanone	10.453	43	30657	4.897	ug/l	88
52) Toluene	10.629	92	16687	1.096	ug/l	91
53) t-1,3-Dichloropropene	10.835	75	7354	0.857	ug/l #	82
54) cis-1,3-Dichloropropene	10.318	75	9522	0.989	ug/l #	79
55) 1,1,2-Trichloroethane	11.018	97	5783	0.983	ug/l #	75
56) Ethyl methacrylate	10.876	69	5681	0.807	ug/l #	82
57) 1,3-Dichloropropane	11.159	76	8509	0.891	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	18079	4.231	ug/l #	80
59) 2-Hexanone	11.194	43	19953	4.205	ug/l	99
60) Dibromochloromethane	11.359	129	4319	0.718	ug/l	92
61) 1,2-Dibromoethane	11.470	107	4982	0.849	ug/l	99
64) Tetrachloroethene	11.106	164	6082	1.328	ug/l	98
65) Chlorobenzene	11.894	112	13057	1.026	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.965	131	3868	0.843	ug/l #	55
67) Ethyl Benzene	11.970	91	20467	0.934	ug/l	97
68) m/p-Xylenes	12.070	106	15329	1.841	ug/l	91
69) o-Xylene	12.406	106	8215	1.017	ug/l	74
70) Styrene	12.412	104	9626	0.794	ug/l	97
71) Bromoform	12.582	173	2729	0.888	ug/l #	100
73) Isopropylbenzene	12.700	105	16884	0.932	ug/l	91
74) N-amyl acetate	12.494	43	6892	1.055	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.941	83	6407	1.137	ug/l	96
76) 1,2,3-Trichloropropane	13.000	75	4980m	1.005	ug/l	
77) Bromobenzene	12.982	156	4775	1.044	ug/l	73
78) n-propylbenzene	13.041	91	19063	0.932	ug/l	89
79) 2-Chlorotoluene	13.123	91	12966	1.003	ug/l	88
80) 1,3,5-Trimethylbenzene	13.176	105	14218	0.965	ug/l	99
82) 4-Chlorotoluene	13.223	91	12802	0.992	ug/l	97
83) tert-Butylbenzene	13.441	119	11688	0.931	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	12847	0.876	ug/l	85
85) sec-Butylbenzene	13.617	105	14412	0.854	ug/l	92
86) p-Isopropyltoluene	13.729	119	12515	0.878	ug/l	95
87) 1,3-Dichlorobenzene	13.735	146	8092	0.994	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	8621m	1.043	ug/l	
89) n-Butylbenzene	14.059	91	12706	1.009	ug/l	88
90) Hexachloroethane	14.335	117	2168	0.964	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	7898	1.012	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.723	75	1315	1.247	ug/l	83
93) 1,2,4-Trichlorobenzene	15.388	180	4218	1.093	ug/l	95
94) Hexachlorobutadiene	15.506	225	1864	1.114	ug/l	73
95) Naphthalene	15.641	128	12506	0.981	ug/l	97
96) 1,2,3-Trichlorobenzene	15.841	180	4216	1.110	ug/l	88

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

