

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090222\
 Data File : VN074281.D
 Acq On : 02 Sep 2022 11:46
 Operator : JC\MD
 Sample : VSTDIC001
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/03/2022
 Supervised By : Mahesh Dadoda 09/06/2022

Quant Time: Sep 02 14:16:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 02 14:16:05 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	273921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	496563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	417842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	161041	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	2.052	85	3144	1.109	ug/l	86
3) Chloromethane	2.269	50	4725	1.184	ug/l #	76
4) Vinyl Chloride	2.410	62	6718	1.693	ug/l	89
6) Chloroethane	2.981	64	4313	1.417	ug/l	93
7) Trichlorofluoromethane	3.334	101	5986	0.987	ug/l #	58
8) Diethyl Ether	3.775	74	2281	0.884	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.146	101	3717	1.073	ug/l #	65
12) 1,1-Dichloroethene	4.134	96	3275m	1.020	ug/l	
13) Acrolein	3.998	56	2951m	3.142	ug/l	
14) Allyl chloride	4.781	41	5093m	0.711	ug/l	
15) Acrylonitrile	5.469	53	11449m	3.730	ug/l	
16) Acetone	4.222	43	10574	3.724	ug/l #	81
17) Carbon Disulfide	4.469	76	8579	0.939	ug/l #	75
18) Methyl Acetate	4.781	43	6701	0.781	ug/l #	83
19) Methyl tert-butyl Ether	5.540	73	10211	0.860	ug/l #	83
20) Methylene Chloride	5.022	84	4872	1.006	ug/l #	77
21) trans-1,2-Dichloroethene	5.534	96	3052m	0.823	ug/l	
22) Diisopropyl ether	6.410	45	8525	0.584	ug/l #	84
23) Vinyl Acetate	6.345	43	38950m	3.162	ug/l	
24) 1,1-Dichloroethane	6.316	63	6256m	0.869	ug/l	
25) 2-Butanone	7.263	43	14452	3.182	ug/l	96
26) 2,2-Dichloropropane	7.245	77	5378	1.074	ug/l	83
27) cis-1,2-Dichloroethene	7.234	96	4162m	1.005	ug/l	
28) Bromochloromethane	7.592	49	2143	0.748	ug/l #	100
29) Tetrahydrofuran	7.610	42	9016	3.117	ug/l #	92
30) Chloroform	7.745	83	6922	0.943	ug/l	100
32) 1,1,1-Trichloroethane	7.951	97	5329	0.944	ug/l #	49
36) 1,1-Dichloropropene	8.145	75	4695	0.896	ug/l	93
37) Ethyl Acetate	7.334	43	7631	0.870	ug/l #	76
38) Carbon Tetrachloride	8.134	117	5146	1.027	ug/l #	63
39) Methylcyclohexane	9.392	83	5916	0.961	ug/l #	83
40) Benzene	8.381	78	14828	0.901	ug/l #	74
41) Methacrylonitrile	7.551	41	2882m	0.712	ug/l	
42) 1,2-Dichloroethane	8.451	62	6335	1.081	ug/l	77
43) Isopropyl Acetate	8.504	43	8870	0.753	ug/l #	97
44) Trichloroethene	9.139	130	3958	1.076	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,2-Dichloropropane	9.422	63	3686	0.829	ug/l #	82
46) Dibromomethane	9.510	93	3040	1.024	ug/l #	57
47) Bromodichloromethane	9.692	83	4516	0.776	ug/l #	91
48) Methyl methacrylate	9.492	41	4067	0.726	ug/l #	65
49) 1,4-Dioxane	9.504	88	2033	16.830	ug/l #	69
51) 4-Methyl-2-Pentanone	10.269	43	26178	3.060	ug/l	97
52) Toluene	10.439	92	7406	0.763	ug/l #	73
53) t-1,3-Dichloropropene	10.657	75	4534	0.822	ug/l	92
54) cis-1,3-Dichloropropene	10.128	75	5112	0.828	ug/l #	80
55) 1,1,2-Trichloroethane	10.839	97	4028	0.960	ug/l #	77
56) Ethyl methacrylate	10.704	69	4909	0.772	ug/l #	80
57) 1,3-Dichloropropane	10.980	76	6629	0.909	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.980	63	10785	3.351	ug/l	97
59) 2-Hexanone	11.022	43	19751	3.042	ug/l	94
60) Dibromochloromethane	11.169	129	3712	0.944	ug/l	93
61) 1,2-Dibromoethane	11.274	107	3702	0.923	ug/l	90
64) Tetrachloroethene	10.910	164	2699	0.892	ug/l	83
65) Chlorobenzene	11.704	112	8807	0.937	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.780	131	3454	1.034	ug/l #	65
67) Ethyl Benzene	11.786	91	16039	0.951	ug/l #	80
68) m/p-Xylenes	11.886	106	12002	1.915	ug/l	97
69) o-Xylene	12.216	106	5809	0.930	ug/l	89
70) Styrene	12.227	104	8411	0.845	ug/l	93
71) Bromoform	12.398	173	2336	0.825	ug/l #	94
73) Isopropylbenzene	12.521	105	13303	0.965	ug/l	99
74) N-amyl acetate	12.321	43	5887	0.754	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.763	83	5038	0.881	ug/l	88
76) 1,2,3-Trichloropropane	12.827	75	4802m	1.049	ug/l	
77) Bromobenzene	12.798	156	3271	1.014	ug/l	76
78) n-propylbenzene	12.857	91	14675	0.933	ug/l	97
79) 2-Chlorotoluene	12.945	91	10325	1.072	ug/l	99
80) 1,3,5-Trimethylbenzene	12.992	105	10431	0.930	ug/l	92
82) 4-Chlorotoluene	13.045	91	9740	1.045	ug/l	95
83) tert-Butylbenzene	13.263	119	10313	1.075	ug/l	93
84) 1,2,4-Trimethylbenzene	13.304	105	10537	0.973	ug/l	95
85) sec-Butylbenzene	13.439	105	13507	1.004	ug/l	95
86) p-Isopropyltoluene	13.557	119	9375	0.895	ug/l	96
87) 1,3-Dichlorobenzene	13.551	146	6093	1.060	ug/l	95
88) 1,4-Dichlorobenzene	13.627	146	8444m	1.419	ug/l	
89) n-Butylbenzene	13.880	91	10284	1.128	ug/l	88
90) Hexachloroethane	14.133	117	2358	1.092	ug/l	77
91) 1,2-Dichlorobenzene	13.927	146	7102	1.172	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.533	75	1425	1.247	ug/l	78
93) 1,2,4-Trichlorobenzene	15.198	180	4569	1.541	ug/l	96
94) Hexachlorobutadiene	15.304	225	1754	1.203	ug/l	92
95) Naphthalene	15.439	128	19596	1.840	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.627	180	5245	1.707	ug/l	95

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

