

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120221\
 Data File : VN069700.D
 Acq On : 2 Dec 2021 17:38
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2021
 Supervised By : Mahesh Dadoda 12/06/2021

Quant Time: Dec 03 07:46:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 07:46:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1052993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1784834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1561108	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	509519	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	61 - 141	Recovery	=	0.000%#
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l	
Spiked Amount	50.000	Range	69 - 133	Recovery	=	0.000%#
50) Toluene-d8	0.000	98	0d	0.000	ug/l	
Spiked Amount	50.000	Range	65 - 126	Recovery	=	0.000%#
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	=	0.000%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.075	85	11818	1.018	ug/l	93
3) Chloromethane	2.303	50	19271	1.411	ug/l	92
4) Vinyl Chloride	2.445	62	14999	1.118	ug/l	93
6) Chloroethane	3.017	64	10195	1.144	ug/l	97
7) Trichlorofluoromethane	3.376	101	20356	1.012	ug/l	95
8) Diethyl Ether	3.824	74	7543	1.115	ug/l #	46
9) 1,1,2-Trichlorotrifluo...	4.205	101	11392	1.164	ug/l #	86
12) 1,1-Dichloroethene	4.175	96	10960	1.233	ug/l	93
14) Allyl chloride	4.832	41	24381m	1.234	ug/l	
15) Acrylonitrile	5.562	53	42671	5.789	ug/l	99
16) Acetone	4.293	43	56894	6.586	ug/l	99
17) Carbon Disulfide	4.527	76	27030	1.255	ug/l	98
18) Methyl Acetate	4.854	43	35081m	1.270	ug/l	
19) Methyl tert-butyl Ether	5.618	73	40941	1.104	ug/l	96
20) Methylene Chloride	5.087	84	16185m	1.343	ug/l	
21) trans-1,2-Dichloroethene	5.591	96	11979	1.209	ug/l	93
22) Diisopropyl ether	6.498	45	45662	1.090	ug/l #	94
23) Vinyl Acetate	6.439	43	172953	5.276	ug/l	96
24) 1,1-Dichloroethane	6.391	63	24214	1.132	ug/l	98
25) 2-Butanone	7.348	43	70545	6.027	ug/l	91
26) 2,2-Dichloropropane	7.324	77	19940	1.204	ug/l	82
27) cis-1,2-Dichloroethene	7.324	96	14000	1.147	ug/l	84
28) Bromochloromethane	7.656	49	11420	1.037	ug/l	86
29) Tetrahydrofuran	7.697	42	39412	5.507	ug/l	91
30) Chloroform	7.820	83	24356	1.116	ug/l	98
32) 1,1,1-Trichloroethane	8.013	97	20148	1.102	ug/l #	50
36) 1,1-Dichloropropene	8.222	75	17717	1.144	ug/l #	78
37) Ethyl Acetate	7.418	43	25858m	1.215	ug/l	
38) Carbon Tetrachloride	8.206	117	16704	1.114	ug/l #	92
39) Methylcyclohexane	9.461	83	19744	1.034	ug/l #	81
40) Benzene	8.461	78	55213	1.155	ug/l	100
41) Methacrylonitrile	7.646	41	11266m	1.025	ug/l	
42) 1,2-Dichloroethane	8.528	62	22729	1.209	ug/l	96
43) Isopropyl Acetate	8.566	43	37005	1.097	ug/l #	88
44) Trichloroethene	9.215	130	12341	1.078	ug/l	95
45) 1,2-Dichloropropane	9.491	63	14693	1.154	ug/l	96

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46) Dibromomethane	9.577	93	9399	1.103	ug/l	92
47) Bromodichloromethane	9.764	83	16665	1.048	ug/l #	90
48) Methyl methacrylate	9.563	41	15569	0.989	ug/l	91
49) 1,4-Dioxane	9.571	88	5955	21.031	ug/l #	80
51) 4-Methyl-2-Pentanone	10.333	43	116492	5.330	ug/l	93
52) Toluene	10.505	92	30086	1.017	ug/l	95
53) t-1,3-Dichloropropene	10.719	75	15255	0.914	ug/l	99
54) cis-1,3-Dichloropropene	10.191	75	16871	0.927	ug/l #	90
55) 1,1,2-Trichloroethane	10.902	97	12471	1.047	ug/l #	84
56) Ethyl methacrylate	10.762	69	18662	0.939	ug/l #	86
57) 1,3-Dichloropropane	11.046	76	22613	1.076	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.041	63	19569	4.150	ug/l	93
59) 2-Hexanone	11.087	43	85938	5.269	ug/l	91
60) Dibromochloromethane	11.242	129	10277	0.918	ug/l	99
61) 1,2-Dibromoethane	11.344	107	12197	1.008	ug/l	94
64) Tetrachloroethene	10.979	164	12135	1.247	ug/l	96
65) Chlorobenzene	11.773	112	33186	1.113	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.840	131	10881	1.050	ug/l #	66
67) Ethyl Benzene	11.846	91	57200	1.039	ug/l	98
68) m/p-Xylenes	11.956	106	39093	1.939	ug/l	89
69) o-Xylene	12.283	106	19704	0.979	ug/l	87
70) Styrene	12.296	104	28560	0.883	ug/l	92
71) Bromoform	12.457	173	6695	0.897	ug/l #	93
73) Isopropylbenzene	12.581	105	49157	1.179	ug/l	99
74) N-amyl acetate	12.393	43	20909	1.172	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.827	83	19213	1.360	ug/l	99
76) 1,2,3-Trichloropropane	12.884	75	17246m	1.308	ug/l	
77) Bromobenzene	12.862	156	12075	1.261	ug/l	80
78) n-propylbenzene	12.921	91	52599	1.121	ug/l	94
79) 2-Chlorotoluene	13.010	91	35255	1.210	ug/l	92
80) 1,3,5-Trimethylbenzene	13.061	105	37643	1.115	ug/l	96
82) 4-Chlorotoluene	13.109	91	31849	1.148	ug/l	92
83) tert-Butylbenzene	13.323	119	34703	1.174	ug/l	96
84) 1,2,4-Trimethylbenzene	13.369	105	33851	1.040	ug/l	99
85) sec-Butylbenzene	13.503	105	44191	1.074	ug/l	96
86) p-Isopropyltoluene	13.618	119	32846	1.008	ug/l	96
87) 1,3-Dichlorobenzene	13.618	146	19927	1.211	ug/l	95
88) 1,4-Dichlorobenzene	13.696	146	20687m	1.285	ug/l	
89) n-Butylbenzene	13.946	91	26968	0.998	ug/l	99
90) Hexachloroethane	14.209	117	5950	1.100	ug/l	79
91) 1,2-Dichlorobenzene	13.989	146	20000	1.275	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.605	75	2920	1.259	ug/l	77
93) 1,2,4-Trichlorobenzene	15.265	180	8990	1.308	ug/l	93
94) Hexachlorobutadiene	15.375	225	5233	1.280	ug/l	98
95) Naphthalene	15.509	128	27099	1.445	ug/l	96
96) 1,2,3-Trichlorobenzene	15.702	180	8670	1.307	ug/l	95

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

