

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070889.D
 Acq On : 2 Feb 2022 12:55
 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 02/03/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 02 15:16:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:12:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	807758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1351964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1176309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	431925	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	12.728	95	11308	0.898	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	1.800%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.075	85	9185	0.984	ug/l	96
3) Chloromethane	2.306	50	12454	0.913	ug/l	97
4) Vinyl Chloride	2.451	62	9337	0.720	ug/l	99
6) Chloroethane	3.030	64	3819m	0.472	ug/l	
7) Trichlorofluoromethane	3.381	101	10645	0.718	ug/l	94
8) Diethyl Ether	3.832	74	6163	0.952	ug/l	54
9) 1,1,2-Trichlorotrifluo...	4.213	101	7819	0.873	ug/l #	85
12) 1,1-Dichloroethene	4.183	96	7946	0.889	ug/l	86
14) Allyl chloride	4.840	41	17409	0.894	ug/l	90
15) Acrylonitrile	5.556	53	30216	4.548	ug/l	98
16) Acetone	4.288	43	36666	4.563	ug/l	97
17) Carbon Disulfide	4.537	76	27030m	1.114	ug/l	
18) Methyl Acetate	4.865	43	25648	1.623	ug/l #	87
19) Methyl tert-butyl Ether	5.618	73	29475	0.923	ug/l	99
20) Methylene Chloride	5.093	84	10611	1.003	ug/l	87
21) trans-1,2-Dichloroethene	5.602	96	8679	0.965	ug/l	90
22) Diisopropyl ether	6.503	45	34766	0.901	ug/l #	87
23) Vinyl Acetate	6.434	43	147124	4.497	ug/l	95
24) 1,1-Dichloroethane	6.391	63	17738	0.919	ug/l #	97
25) 2-Butanone	7.343	43	45140	4.465	ug/l	92
26) 2,2-Dichloropropane	7.321	77	14055	0.950	ug/l	82
27) cis-1,2-Dichloroethene	7.332	96	9869	0.924	ug/l	83
28) Bromochloromethane	7.662	49	7565	0.873	ug/l #	80
29) Tetrahydrofuran	7.694	42	29861	4.823	ug/l #	85
30) Chloroform	7.823	83	17518	0.808	ug/l	95
32) 1,1,1-Trichloroethane	8.013	97	13878	0.926	ug/l #	51
36) 1,1-Dichloropropene	8.225	75	13028	0.923	ug/l	96
37) Ethyl Acetate	7.418	43	17561	0.937	ug/l #	88
38) Carbon Tetrachloride	8.206	117	10634	0.847	ug/l	96
39) Methylcyclohexane	9.461	83	14276	0.819	ug/l	95
40) Benzene	8.461	78	42986	0.983	ug/l	96
41) Methacrylonitrile	7.638	41	8152	0.855	ug/l #	72
42) 1,2-Dichloroethane	8.525	62	13489	0.889	ug/l	98
43) Isopropyl Acetate	8.560	43	36008	1.258	ug/l #	85
44) Trichloroethene	9.220	130	9723	0.980	ug/l	87
45) 1,2-Dichloropropane	9.491	63	10579	0.889	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) Dibromomethane	9.577	93	6311	0.912	ug/l	98
47) Bromodichloromethane	9.759	83	12374	0.875	ug/l	97
48) Methyl methacrylate	9.561	41	11221	0.823	ug/l #	87
49) 1,4-Dioxane	9.577	88	4224	20.618	ug/l #	80
51) 4-Methyl-2-Pentanone	10.330	43	78333	4.288	ug/l	96
52) Toluene	10.505	92	27612	1.055	ug/l	97
53) t-1,3-Dichloropropene	10.719	75	13170	0.868	ug/l	92
54) cis-1,3-Dichloropropene	10.186	75	14733	0.868	ug/l	97
55) 1,1,2-Trichloroethane	10.896	97	9344	0.909	ug/l	95
56) Ethyl methacrylate	10.762	69	13851	0.801	ug/l #	83
57) 1,3-Dichloropropane	11.044	76	15490	0.851	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.041	63	12264	3.006	ug/l #	87
59) 2-Hexanone	11.087	43	56631	4.267	ug/l	95
60) Dibromochloromethane	11.237	129	8542	0.891	ug/l	97
61) 1,2-Dibromoethane	11.347	107	8989	0.871	ug/l	94
64) Tetrachloroethene	10.977	164	7906	0.917	ug/l	89
65) Chlorobenzene	11.771	112	25699	1.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.843	131	8025	0.914	ug/l #	63
67) Ethyl Benzene	11.846	91	42818	0.906	ug/l	94
68) m/p-Xylenes	11.956	106	30875	1.796	ug/l	94
69) o-Xylene	12.275	106	15747	0.923	ug/l	99
70) Styrene	12.296	104	20622	0.756	ug/l	92
71) Bromoform	12.455	173	6288	0.949	ug/l #	96
73) Isopropylbenzene	12.578	105	35730	0.874	ug/l	98
74) N-amyl acetate	12.390	43	16110	0.964	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.825	83	14599	1.058	ug/l	94
76) 1,2,3-Trichloropropane	12.878	75	11439m	0.999	ug/l	
77) Bromobenzene	12.860	156	9435	1.030	ug/l	79
78) n-propylbenzene	12.921	91	40221	0.880	ug/l	94
79) 2-Chlorotoluene	13.007	91	26561	0.919	ug/l	90
80) 1,3,5-Trimethylbenzene	13.058	105	27889	0.844	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.626	75	3169	0.824	ug/l	97
82) 4-Chlorotoluene	13.104	91	26031	0.964	ug/l	93
83) tert-Butylbenzene	13.321	119	24900	0.866	ug/l	92
84) 1,2,4-Trimethylbenzene	13.366	105	27708	0.872	ug/l	99
85) sec-Butylbenzene	13.500	105	34151	0.873	ug/l	99
86) p-Isopropyltoluene	13.616	119	25745	0.838	ug/l	94
87) 1,3-Dichlorobenzene	13.613	146	15933	1.045	ug/l	94
88) 1,4-Dichlorobenzene	13.694	146	17047m	1.124	ug/l	
89) n-Butylbenzene	13.940	91	26388	1.041	ug/l	97
90) Hexachloroethane	14.206	117	4666	0.869	ug/l	96
91) 1,2-Dichlorobenzene	13.989	146	15556	1.033	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	2417	1.033	ug/l	93
93) 1,2,4-Trichlorobenzene	15.263	180	9932	1.485	ug/l	95
94) Hexachlorobutadiene	15.370	225	5283	1.185	ug/l	95
95) Naphthalene	15.504	128	27306	1.580	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	10009	1.570	ug/l	97

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

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