

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121020\
 Data File : VN065044.D
 Acq On : 10 Dec 2020 14:49
 Operator : JC/MD
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 12/11/2020 12:32:27 PM

Quant Time: Dec 10 15:46:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 10 14:05:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	174819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.54	114	277307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	241646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	99579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000	Range	61 - 141	Recovery	=	0.00%#
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000	Range	69 - 133	Recovery	=	0.00%#
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000	Range	65 - 126	Recovery	=	0.00%#
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000	Range	58 - 135	Recovery	=	0.00%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	1411	0.966	ug/l	97
3) Chloromethane	2.04	50	1693	0.886	ug/l #	85
4) Vinyl Chloride	2.17	62	1848	0.922	ug/l	92
6) Chloroethane	2.68	64	1145	0.913	ug/l	89
7) Trichlorofluoromethane	2.99	101	2250	0.802	ug/l	99
8) Diethyl Ether	3.38	74	858	0.773	ug/l #	48
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1505	0.891	ug/l #	47
12) 1,1-Dichloroethene	3.70	96	1715	1.031	ug/l #	59
14) Allyl chloride	4.27	41	1951	0.710	ug/l #	84
15) Acrylonitrile	4.94	53	2753	3.197	ug/l #	81
16) Acetone	3.78	43	3895	5.707	ug/l	91
17) Carbon Disulfide	4.01	76	6326	1.334	ug/l	96
18) Methyl Acetate	4.28	43	1784m	0.894	ug/l	
19) Methyl tert-butyl Ether	4.98	73	3632m	0.676	ug/l	
20) Methylene Chloride	4.50	84	2378m	1.143	ug/l	
21) trans-1,2-Dichloroethene	4.98	96	1895	1.024	ug/l #	78
22) Diisopropyl ether	5.91	45	3645m	0.657	ug/l	
23) Vinyl Acetate	5.84	43	15068m	3.418	ug/l	
24) 1,1-Dichloroethane	5.80	63	2617m	0.789	ug/l	
25) 2-Butanone	6.78	43	4022m	3.771	ug/l	
26) 2,2-Dichloropropane	6.77	77	2421	0.842	ug/l #	57
27) cis-1,2-Dichloroethene	6.78	96	1867m	0.890	ug/l	
28) Bromochloromethane	7.14	49	1522	1.002	ug/l #	76
29) Tetrahydrofuran	7.17	42	1914	2.624	ug/l #	81
30) Chloroform	7.32	83	3036m	0.882	ug/l	
32) 1,1,1-Trichloroethane	7.52	97	2438	0.829	ug/l #	48
36) 1,1-Dichloropropene	7.74	75	2103	0.826	ug/l #	84
37) Ethyl Acetate	6.88	43	1392	0.576	ug/l #	67
38) Carbon Tetrachloride	7.73	117	2098	0.791	ug/l	87
39) Methylcyclohexane	9.04	83	2165	0.802	ug/l	90
40) Benzene	7.99	78	5908	0.757	ug/l #	89
41) Methacrylonitrile	7.13	41	945m	0.812	ug/l	
42) 1,2-Dichloroethane	8.08	62	1823	0.691	ug/l	78
43) Isopropyl Acetate	8.12	43	2713	0.694	ug/l #	72

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.79	130	1855	0.809	ug/l	93
45) 1,2-Dichloropropane	9.07	63	1415	0.694	ug/l	99
46) Dibromomethane	9.17	93	950	0.700	ug/l #	86
47) Bromodichloromethane	9.36	83	2149	0.787	ug/l #	90
48) Methyl methacrylate	9.16	41	1244	0.666	ug/l	93
49) 1,4-Dioxane	9.17	88	365	10.357	ug/l #	64
51) 4-Methyl-2-Pentanone	9.95	43	7066	3.012	ug/l	96
52) Toluene	10.12	92	3687	0.765	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	2010	0.664	ug/l #	70
54) cis-1,3-Dichloropropene	9.80	75	2559	0.787	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	1498	0.751	ug/l #	83
56) Ethyl methacrylate	10.40	69	1482	0.548	ug/l #	85
57) 1,3-Dichloropropane	10.68	76	2254	0.689	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	5334	3.577	ug/l	90
59) 2-Hexanone	10.72	43	5232	3.102	ug/l	77
60) Dibromochloromethane	10.86	129	1411	0.639	ug/l	72
61) 1,2-Dibromoethane	10.97	107	1450	0.720	ug/l	96
64) Tetrachloroethene	10.59	164	1920	0.827	ug/l	95
65) Chlorobenzene	11.40	112	4626	0.889	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.48	131	1535	0.803	ug/l #	50
67) Ethyl Benzene	11.48	91	6648	0.770	ug/l	98
68) m/p-Xylenes	11.60	106	4470	1.360	ug/l	82
69) o-Xylene	11.92	106	2111	0.678	ug/l	92
70) Styrene	11.94	104	3637	0.692	ug/l	98
71) Bromoform	12.09	173	993	0.654	ug/l #	89
73) Isopropylbenzene	12.22	105	5183	0.751	ug/l	94
74) N-amyl acetate	12.04	43	1814m	0.680	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.48	83	1855	0.914	ug/l #	93
76) 1,2,3-Trichloropropane	12.53	75	1881m	0.891	ug/l	
77) Bromobenzene	12.50	156	1675	0.898	ug/l	80
78) n-propylbenzene	12.56	91	6069	0.775	ug/l	96
79) 2-Chlorotoluene	12.65	91	3638	0.751	ug/l	93
80) 1,3,5-Trimethylbenzene	12.71	105	3921	0.684	ug/l	99
82) 4-Chlorotoluene	12.75	91	4276	0.841	ug/l	94
83) tert-Butylbenzene	12.96	119	3624	0.754	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	3933	0.677	ug/l	94
85) sec-Butylbenzene	13.14	105	4630	0.730	ug/l	94
86) p-Isopropyltoluene	13.26	119	3644	0.631	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	3185	0.961	ug/l	95
88) 1,4-Dichlorobenzene	13.33	146	3589	1.024	ug/l	84
89) n-Butylbenzene	13.59	91	3598	0.713	ug/l	97
90) Hexachloroethane	13.84	117	968	0.960	ug/l	78
91) 1,2-Dichlorobenzene	13.63	146	3379	1.038	ug/l	88
92) 1,2-Dibromo-3-Chloropropan	14.25	75	304	0.681	ug/l #	46
93) 1,2,4-Trichlorobenzene	14.88	180	1355	0.688	ug/l	91
94) Hexachlorobutadiene	14.98	225	1302	1.297	ug/l	94
95) Naphthalene	15.11	128	3350	0.570	ug/l	96
96) 1,2,3-Trichlorobenzene	15.29	180	1391	0.718	ug/l	88

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

