

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101420\
 Data File : VN064114.D
 Acq On : 14 Oct 2020 15:06
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:17:22 PM

Quant Time: Oct 15 01:09:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 15:55:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	336769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	573061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	540499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	241411	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	88195	16.40	ug/l	0.00
Spiked Amount			Recovery	=	32.80%	
35) Dibromofluoromethane	7.55	113	67434	17.08	ug/l	0.00
Spiked Amount			Recovery	=	34.16%	
50) Toluene-d8	10.06	98	258614	17.19	ug/l	0.00
Spiked Amount			Recovery	=	34.38%	
62) 4-Bromofluorobenzene	12.38	95	84504	15.23	ug/l	0.00
Spiked Amount			Recovery	=	30.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	70551	19.956	ug/l	98
3) Chloromethane	2.04	50	84727	20.321	ug/l	98
4) Vinyl Chloride	2.16	62	104322	24.144	ug/l	99
5) Bromomethane	2.53	94	75879	26.500	ug/l	96
6) Chloroethane	2.68	64	83824	30.898	ug/l	99
7) Trichlorofluoromethane	2.99	101	142391	21.350	ug/l	100
8) Diethyl Ether	3.38	74	44300	19.950	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	72175	20.463	ug/l	98
10) Methyl Iodide	3.91	142	97007	23.026	ug/l	100
11) Tert butyl alcohol	4.73	59	51404	86.555	ug/l	98
12) 1,1-Dichloroethene	3.70	96	71837	21.127	ug/l	98
13) Acrolein	3.57	56	37833	97.610	ug/l	97
14) Allyl chloride	4.28	41	109149	17.804	ug/l	99
15) Acrylonitrile	4.93	53	162607	94.566	ug/l	99
16) Acetone	3.78	43	143915	86.602	ug/l	96
17) Carbon Disulfide	4.01	76	208200	20.875	ug/l	100
18) Methyl Acetate	4.28	43	70227	16.301	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	213117	17.767	ug/l	97
20) Methylene Chloride	4.51	84	89908	21.066	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	82008	21.394	ug/l	97
22) Diisopropyl ether	5.90	45	227702	18.103	ug/l	94
23) Vinyl Acetate	5.85	43	1006946	95.652	ug/l	99
24) 1,1-Dichloroethane	5.80	63	156758	21.280	ug/l	98
25) 2-Butanone	6.79	43	232197	97.599	ug/l	97
26) 2,2-Dichloropropane	6.78	77	121803	18.363	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	96182	21.852	ug/l	98
28) Bromochloromethane	7.15	49	59499	16.608	ug/l #	96
29) Tetrahydrofuran	7.16	42	136864	86.993	ug/l	98
30) Chloroform	7.33	83	165713	21.442	ug/l	98
31) Cyclohexane	7.62	56	109237	17.430	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	143594	20.764	ug/l	97
36) 1,1-Dichloropropene	7.75	75	117377	20.254	ug/l	99
37) Ethyl Acetate	6.88	43	101829	17.930	ug/l	99
38) Carbon Tetrachloride	7.74	117	128018	19.826	ug/l	96

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39) Methylcyclohexane	9.05	83	97389	17.271	ug/l	97
40) Benzene	8.00	78	356429	21.316	ug/l	99
41) Methacrylonitrile	7.13	41	44342m	18.002	ug/l	
42) 1,2-Dichloroethane	8.09	62	129092	18.578	ug/l	99
43) Isopropyl Acetate	8.13	43	167836	18.139	ug/l	98
44) Trichloroethene	8.80	130	94775	21.563	ug/l	98
45) 1,2-Dichloropropane	9.08	63	92427	20.664	ug/l	98
46) Dibromomethane	9.17	93	65018	20.957	ug/l	98
47) Bromodichloromethane	9.37	83	130131	20.496	ug/l	96
48) Methyl methacrylate	9.17	41	80630	17.613	ug/l	99
49) 1,4-Dioxane	9.17	88	23178	355.975	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	523987	96.155	ug/l	100
52) Toluene	10.13	92	219160	21.189	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	130883	19.352	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	144458	20.360	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	93116	22.503	ug/l	96
56) Ethyl methacrylate	10.40	69	115808	19.981	ug/l	98
57) 1,3-Dichloropropane	10.68	76	151773	21.779	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	252189	81.795	ug/l	99
59) 2-Hexanone	10.72	43	368403	91.281	ug/l	99
60) Dibromochloromethane	10.87	129	101826	21.079	ug/l	99
61) 1,2-Dibromoethane	10.98	107	94971	22.352	ug/l	100
64) Tetrachloroethene	10.60	164	92846	21.940	ug/l	98
65) Chlorobenzene	11.41	112	245544	21.890	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	90617	21.158	ug/l	96
67) Ethyl Benzene	11.49	91	411885	20.446	ug/l	99
68) m/p-Xylenes	11.60	106	317018	41.964	ug/l	100
69) o-Xylene	11.92	106	147199	20.841	ug/l	99
70) Styrene	11.94	104	246782	20.637	ug/l	98
71) Bromoform	12.10	173	67646	20.701	ug/l #	100
73) Isopropylbenzene	12.22	105	388450	22.031	ug/l	100
74) N-amyl acetate	12.05	43	137735	19.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	125726	23.138	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	113638m	21.332	ug/l	
77) Bromobenzene	12.50	156	101908	23.180	ug/l	98
78) n-propylbenzene	12.57	91	432536	21.107	ug/l	100
79) 2-Chlorotoluene	12.65	91	269071	21.296	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	312185	21.103	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	37487	20.399	ug/l	91
82) 4-Chlorotoluene	12.75	91	273458	20.935	ug/l	99
83) tert-Butylbenzene	12.97	119	258243	21.354	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	310602	21.137	ug/l	99
85) sec-Butylbenzene	13.15	105	331779	20.933	ug/l	98
86) p-Isopropyltoluene	13.26	119	294124	21.004	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	173812	22.025	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	171168	20.812	ug/l	99
89) n-Butylbenzene	13.59	91	233385	18.312	ug/l	98
90) Hexachloroethane	13.85	117	50700	19.029	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	169821	21.608	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	23759	19.152	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	68966	16.440	ug/l	97
94) Hexachlorobutadiene	14.98	225	39301	16.192	ug/l	99
95) Naphthalene	15.10	128	202913	15.883	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	70945	16.780	ug/l	100

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

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