

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050120\
 Data File : VN061244.D
 Acq On : 1 May 2020 20:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/4/2020 2:58:05 PM

Quant Time: May 04 04:57:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 29 08:14:26 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	113536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	195524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	183636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	87775	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	89730	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
35) Dibromofluoromethane	7.55	113	57444	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.06	98	250165	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.38	95	92584	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	61766	51.302	ug/l	99
3) Chloromethane	2.03	50	87645	60.107	ug/l	98
4) Vinyl Chloride	2.16	62	89321	53.932	ug/l	99
5) Bromomethane	2.53	94	36066	44.055	ug/l	100
6) Chloroethane	2.67	64	51952	49.491	ug/l	98
7) Trichlorofluoromethane	2.98	101	105961	56.709	ug/l	99
8) Diethyl Ether	3.37	74	47378	60.790	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	63553	52.796	ug/l	99
10) Methyl Iodide	3.91	142	76376	49.370	ug/l	98
11) Tert butyl alcohol	4.73	59	62777	260.860	ug/l	100
12) 1,1-Dichloroethene	3.70	96	63661	53.144	ug/l	98
13) Acrolein	3.56	56	43140	268.999	ug/l	97
14) Allyl chloride	4.27	41	139576	62.841	ug/l	93
15) Acrylonitrile	4.93	53	212894	288.184	ug/l	99
16) Acetone	3.77	43	182282	262.635	ug/l	97
17) Carbon Disulfide	4.01	76	162730	49.178	ug/l	99
18) Methyl Acetate	4.27	43	114216	50.361	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	238298	52.061	ug/l	99
20) Methylene Chloride	4.50	84	75073	53.592	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	68945	52.856	ug/l	97
22) Diisopropyl ether	5.90	45	290959	56.490	ug/l	98
23) Vinyl Acetate	5.84	43	1165825	281.115	ug/l	99
24) 1,1-Dichloroethane	5.80	63	144007	53.513	ug/l	99
25) 2-Butanone	6.78	43	288482	271.375	ug/l	99
26) 2,2-Dichloropropane	6.78	77	105194	46.409	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	80144	52.357	ug/l	99
28) Bromochloromethane	7.15	49	72082	56.512	ug/l	94
29) Tetrahydrofuran	7.17	42	198518	277.226	ug/l	97
30) Chloroform	7.33	83	137116	50.279	ug/l	99
31) Cyclohexane	7.61	56	128968	49.348	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	116817	49.191	ug/l	100
36) 1,1-Dichloropropene	7.75	75	102988	52.618	ug/l	99
37) Ethyl Acetate	6.88	43	124606	54.304	ug/l	99
38) Carbon Tetrachloride	7.73	117	88058	49.342	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	113915	51.897	ug/l	97
40) Benzene	8.00	78	307815	52.787	ug/l	99
41) Methacrylonitrile	7.12	41	58821	61.741	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	113099	51.197	ug/l	99
43) Isopropyl Acetate	8.13	43	203328	53.393	ug/l	100
44) Trichloroethene	8.80	130	75613	47.967	ug/l	100
45) 1,2-Dichloropropane	9.09	63	85211	54.697	ug/l	99
46) Dibromomethane	9.18	93	50942	52.812	ug/l	98
47) Bromodichloromethane	9.37	83	108197	52.259	ug/l	98
48) Methyl methacrylate	9.17	41	95026	55.298	ug/l	97
49) 1,4-Dioxane	9.17	88	20140	1032.489	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	625066	278.857	ug/l	99
52) Toluene	10.12	92	186477	53.092	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	120228	51.536	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	128944	52.282	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	73524	52.481	ug/l	99
56) Ethyl methacrylate	10.40	69	120507	49.397	ug/l	97
57) 1,3-Dichloropropane	10.68	76	133306	54.133	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	314347	277.200	ug/l	98
59) 2-Hexanone	10.72	43	453844	278.303	ug/l	99
60) Dibromochloromethane	10.87	129	77213	52.623	ug/l	98
61) 1,2-Dibromoethane	10.98	107	73055	52.027	ug/l	99
64) Tetrachloroethene	10.60	164	74141	46.615	ug/l	98
65) Chlorobenzene	11.41	112	187909	51.585	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	68218	52.324	ug/l	99
67) Ethyl Benzene	11.48	91	359822	52.767	ug/l	100
68) m/p-Xylenes	11.60	106	262470	105.156	ug/l	99
69) o-Xylene	11.92	106	123622	51.561	ug/l	97
70) Styrene	11.94	104	214139	53.364	ug/l	99
71) Bromoform	12.10	173	51964	54.231	ug/l #	100
73) Isopropylbenzene	12.22	105	340378	52.749	ug/l	100
74) N-amyl acetate	12.05	43	178957	54.768	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	108528	53.939	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	97776m	52.837	ug/l	
77) Bromobenzene	12.50	156	77124	51.776	ug/l	96
78) n-propylbenzene	12.57	91	411209	53.727	ug/l	99
79) 2-Chlorotoluene	12.65	91	238247	52.960	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	287976	53.921	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	37917	52.033	ug/l	100
82) 4-Chlorotoluene	12.75	91	250046	52.737	ug/l	99
83) tert-Butylbenzene	12.97	119	239936	53.280	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	287545	52.258	ug/l	99
85) sec-Butylbenzene	13.15	105	331375	53.972	ug/l	99
86) p-Isopropyltoluene	13.26	119	296573	53.613	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	144120	52.556	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	143795	51.322	ug/l	99
89) n-Butylbenzene	13.59	91	273383	53.909	ug/l	99
90) Hexachloroethane	13.85	117	34093	57.701	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	138810	52.793	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	22105	52.018	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	83940	52.426	ug/l	99
94) Hexachlorobutadiene	14.99	225	37045	55.382	ug/l	99
95) Naphthalene	15.10	128	265989	51.011	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	83095	52.565	ug/l	99

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

