

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060868.D
 Acq On : 7 Apr 2020 11:08
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/8/2020 9:39:24 AM

Quant Time: Apr 08 05:22:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	319806	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293140	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	131500	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
35) Dibromofluoromethane	7.56	113	99735	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.08	98	396004	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	147870	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	84747	44.615	ug/l	99
3) Chloromethane	2.04	50	148555	41.875	ug/l	100
4) Vinyl Chloride	2.17	62	118082	42.555	ug/l	97
5) Bromomethane	2.54	94	59852	49.967	ug/l	99
6) Chloroethane	2.68	64	74996	46.919	ug/l	98
7) Trichlorofluoromethane	3.00	101	161489	47.244	ug/l	100
8) Diethyl Ether	3.38	74	67830	49.398	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	98988	49.978	ug/l	99
10) Methyl Iodide	3.92	142	77235	43.823	ug/l	99
11) Tert butyl alcohol	4.72	59	94598	238.681	ug/l	100
12) 1,1-Dichloroethene	3.71	96	98972	46.565	ug/l	99
13) Acrolein	3.57	56	100651	229.138	ug/l	100
14) Allyl chloride	4.29	41	182266	48.758	ug/l	98
15) Acrylonitrile	4.94	53	296929	254.773	ug/l	99
16) Acetone	3.78	43	278345	291.584	ug/l	100
17) Carbon Disulfide	4.03	76	275682	42.648	ug/l	100
18) Methyl Acetate	4.28	43	142832	53.158	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	356173	48.741	ug/l	98
20) Methylene Chloride	4.52	84	112616	47.957	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	105856	46.730	ug/l	94
22) Diisopropyl ether	5.91	45	405001	51.281	ug/l	98
23) Vinyl Acetate	5.85	43	1663926	258.220	ug/l	99
24) 1,1-Dichloroethane	5.81	63	213495	49.588	ug/l	100
25) 2-Butanone	6.79	43	411647	266.490	ug/l	97
26) 2,2-Dichloropropane	6.79	77	180929	53.412	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	124671	48.431	ug/l	99
28) Bromochloromethane	7.16	49	103816	50.399	ug/l	98
29) Tetrahydrofuran	7.17	42	269709	246.775	ug/l	98
30) Chloroform	7.34	83	203962	49.416	ug/l	99
31) Cyclohexane	7.63	56	197216	45.436	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	174537	49.053	ug/l	98
36) 1,1-Dichloropropene	7.77	75	155739	50.292	ug/l	99
37) Ethyl Acetate	6.89	43	167832	50.158	ug/l	100
38) Carbon Tetrachloride	7.75	117	141154	50.858	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	189869	51.594	ug/l	98
40) Benzene	8.02	78	467223	49.980	ug/l	100
41) Methacrylonitrile	7.15	41	83164m	58.238	ug/l	
42) 1,2-Dichloroethane	8.10	62	162750	50.943	ug/l	100
43) Isopropyl Acetate	8.14	43	284595	51.573	ug/l	100
44) Trichloroethene	8.81	130	119150	50.561	ug/l	99
45) 1,2-Dichloropropane	9.10	63	129940	52.678	ug/l	98
46) Dibromomethane	9.19	93	75915	50.906	ug/l	98
47) Bromodichloromethane	9.38	83	161007	51.957	ug/l	99
48) Methyl methacrylate	9.18	41	124991	50.873	ug/l	99
49) 1,4-Dioxane	9.17	88	30580	1047.144	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	837019	266.553	ug/l	99
52) Toluene	10.14	92	288082	51.027	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	188368	52.919	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	203550	52.125	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	112474	51.784	ug/l	98
56) Ethyl methacrylate	10.42	69	180540	53.310	ug/l	99
57) 1,3-Dichloropropane	10.70	76	196008	52.005	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	428187	254.391	ug/l	100
59) 2-Hexanone	10.74	43	606813	268.261	ug/l	100
60) Dibromochloromethane	10.89	129	119273	53.163	ug/l	99
61) 1,2-Dibromoethane	10.99	107	114133	52.258	ug/l	100
64) Tetrachloroethene	10.62	164	112692	48.853	ug/l	99
65) Chlorobenzene	11.42	112	296579	51.036	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	108866	51.741	ug/l	99
67) Ethyl Benzene	11.50	91	557551	51.592	ug/l	100
68) m/p-Xylenes	11.61	106	413062	102.857	ug/l	99
69) o-Xylene	11.94	106	196371	51.223	ug/l	99
70) Styrene	11.96	104	329621	52.572	ug/l	100
71) Bromoform	12.12	173	85909	49.156	ug/l #	100
73) Isopropylbenzene	12.24	105	536246	49.521	ug/l	100
74) N-amyl acetate	12.06	43	246770	49.316	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	164455	50.220	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	150829m	48.442	ug/l	
77) Bromobenzene	12.52	156	126397	48.440	ug/l	99
78) n-propylbenzene	12.59	91	642352	50.210	ug/l	100
79) 2-Chlorotoluene	12.67	91	372053	48.672	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	456722	49.700	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	60974	50.296	ug/l	98
82) 4-Chlorotoluene	12.77	91	385914	49.569	ug/l	99
83) tert-Butylbenzene	12.99	119	380788	49.986	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	455840	50.141	ug/l	100
85) sec-Butylbenzene	13.17	105	529062	51.647	ug/l	100
86) p-Isopropyltoluene	13.28	119	475425	51.612	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	232838	50.594	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	232396	50.262	ug/l	99
89) n-Butylbenzene	13.61	91	450355	54.152	ug/l	100
90) Hexachloroethane	13.87	117	73990	55.259	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	225213	51.179	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32964	48.049	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	145502	53.843	ug/l	99
94) Hexachlorobutadiene	15.01	225	74469	56.214	ug/l	98
95) Naphthalene	15.13	128	401940	49.451	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	137455	51.641	ug/l	100

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

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