

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060813.D
 Acq On : 2 Apr 2020 10:33
 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
 4/3/2020 12:06:16 PM

Quant Time: Apr 03 07:51:28 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	199925	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	318930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	294153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143808	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	134388	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	7.56	113	101477	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	
50) Toluene-d8	10.08	98	404093	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
62) 4-Bromofluorobenzene	12.40	95	150601	52.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	92851	47.998	ug/l	99
3) Chloromethane	2.04	50	161926	44.819	ug/l	100
4) Vinyl Chloride	2.17	62	129124	45.694	ug/l	98
5) Bromomethane	2.54	94	61875	50.722	ug/l	98
6) Chloroethane	2.68	64	81797	50.249	ug/l	99
7) Trichlorofluoromethane	3.00	101	174305	50.072	ug/l	98
8) Diethyl Ether	3.38	74	73302	52.418	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	106925	53.010	ug/l	99
10) Methyl Iodide	3.92	142	86316	48.091	ug/l	99
11) Tert butyl alcohol	4.72	59	93665	232.056	ug/l	99
12) 1,1-Dichloroethene	3.71	96	107523	49.674	ug/l	96
13) Acrolein	3.57	56	116462	260.342	ug/l	99
14) Allyl chloride	4.29	41	194893	51.193	ug/l	98
15) Acrylonitrile	4.94	53	302183	254.595	ug/l	100
16) Acetone	3.77	43	337270	346.927	ug/l	99
17) Carbon Disulfide	4.03	76	309298	46.984	ug/l	100
18) Methyl Acetate	4.28	43	142626	52.122	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	380588	51.140	ug/l	98
20) Methylene Chloride	4.52	84	121466	50.791	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	115974	50.272	ug/l	98
22) Diisopropyl ether	5.91	45	436066	54.217	ug/l	96
23) Vinyl Acetate	5.85	43	1761632	268.442	ug/l	99
24) 1,1-Dichloroethane	5.81	63	230677	52.610	ug/l	100
25) 2-Butanone	6.79	43	446375	283.750	ug/l	99
26) 2,2-Dichloropropane	6.79	77	197537	57.261	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	135743	51.779	ug/l	99
28) Bromochloromethane	7.17	49	103246	49.216	ug/l	99
29) Tetrahydrofuran	7.18	42	268903	241.591	ug/l	99
30) Chloroform	7.34	83	220536	52.466	ug/l	99
31) Cyclohexane	7.63	56	213144	48.219	ug/l	100
32) 1,1,1-Trichloroethane	7.54	97	187779	51.821	ug/l	99
36) 1,1-Dichloropropene	7.77	75	170248	55.128	ug/l	100
37) Ethyl Acetate	6.89	43	172451	51.680	ug/l	99
38) Carbon Tetrachloride	7.75	117	152128	54.963	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	206863	56.366	ug/l	98
40) Benzene	8.02	78	505576	54.231	ug/l	99
41) Methacrylonitrile	7.14	41	80507m	56.532	ug/l	
42) 1,2-Dichloroethane	8.10	62	173549	54.472	ug/l	99
43) Isopropyl Acetate	8.14	43	294697	53.550	ug/l	99
44) Trichloroethene	8.81	130	128581	54.712	ug/l	100
45) 1,2-Dichloropropane	9.10	63	138476	56.293	ug/l	98
46) Dibromomethane	9.19	93	82049	55.171	ug/l	99
47) Bromodichloromethane	9.38	83	173189	56.042	ug/l	99
48) Methyl methacrylate	9.18	41	130786	53.378	ug/l	99
49) 1,4-Dioxane	9.17	88	30985	1063.927	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	846811	270.412	ug/l	100
52) Toluene	10.14	92	307619	54.637	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	204493	57.606	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	219600	56.389	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	118350	54.639	ug/l	99
56) Ethyl methacrylate	10.42	69	189274	56.042	ug/l	99
57) 1,3-Dichloropropane	10.70	76	207998	55.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	504978	300.837	ug/l	100
59) 2-Hexanone	10.74	43	636502	282.159	ug/l	99
60) Dibromochloromethane	10.89	129	127479	56.976	ug/l	99
61) 1,2-Dibromoethane	10.99	107	120861	55.490	ug/l	100
64) Tetrachloroethene	10.62	164	123118	53.189	ug/l	98
65) Chlorobenzene	11.42	112	318075	54.546	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	117622	55.710	ug/l	98
67) Ethyl Benzene	11.50	91	599845	55.315	ug/l	100
68) m/p-Xylenes	11.61	106	445005	110.430	ug/l	100
69) o-Xylene	11.94	106	212577	55.260	ug/l	100
70) Styrene	11.96	104	354036	56.272	ug/l	100
71) Bromoform	12.12	173	90741	51.653	ug/l #	100
73) Isopropylbenzene	12.24	105	574799	53.261	ug/l	100
74) N-amyl acetate	12.06	43	256143	51.363	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	168374	51.591	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	165403m	53.303	ug/l	
77) Bromobenzene	12.52	156	134939	51.889	ug/l	99
78) n-propylbenzene	12.59	91	685577	53.769	ug/l	100
79) 2-Chlorotoluene	12.67	91	397402	52.164	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	485642	53.026	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	63249	52.349	ug/l	100
82) 4-Chlorotoluene	12.77	91	411158	52.990	ug/l	100
83) tert-Butylbenzene	12.99	119	408748	53.838	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	491579	54.254	ug/l	100
85) sec-Butylbenzene	13.17	105	568491	55.684	ug/l	100
86) p-Isopropyltoluene	13.28	119	512561	55.832	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	248698	54.223	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	249094	54.055	ug/l	99
89) n-Butylbenzene	13.61	91	486010	58.636	ug/l	100
90) Hexachloroethane	13.87	117	79439	59.529	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	237368	54.123	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32628	47.719	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	154165	57.242	ug/l	99
94) Hexachlorobutadiene	15.01	225	80446	60.931	ug/l	99
95) Naphthalene	15.13	128	417667	51.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	145654	54.906	ug/l	100

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

