

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042720\
 Data File : VN061155.D
 Acq On : 27 Apr 2020 17:58
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 4/28/2020 8:14:43 PM

Quant Time: Apr 28 02:16:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 28 01:31:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	123564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	216401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	208474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	101536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	310393	183.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	366.30%	
35) Dibromofluoromethane	7.55	113	203767	164.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	328.70%	
50) Toluene-d8	10.06	98	860523	163.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.56%	
62) 4-Bromofluorobenzene	12.37	95	332733	168.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	337.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	214402	182.401	ug/l	99
3) Chloromethane	2.03	50	265468	185.239	ug/l	99
4) Vinyl Chloride	2.16	62	281408	163.331	ug/l	99
5) Bromomethane	2.51	94	131400m	156.823	ug/l	
6) Chloroethane	2.66	64	170870	181.707	ug/l	97
7) Trichlorofluoromethane	2.98	101	297121	160.158	ug/l	97
8) Diethyl Ether	3.37	74	140745	165.847	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	197362	161.385	ug/l	99
10) Methyl Iodide	3.91	142	271126	156.474	ug/l	99
11) Tert butyl alcohol	4.73	59	210866	968.055	ug/l	99
12) 1,1-Dichloroethene	3.69	96	199317	159.617	ug/l	98
13) Acrolein	3.56	56	138373	853.254	ug/l	97
14) Allyl chloride	4.27	41	313196	154.864	ug/l	92
15) Acrylonitrile	4.93	53	660329	974.946	ug/l	99
16) Acetone	3.77	43	560392	687.896	ug/l	100
17) Carbon Disulfide	4.01	76	581389	157.815	ug/l	100
18) Methyl Acetate	4.27	43	375999	170.461	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	778459	174.674	ug/l	100
20) Methylene Chloride	4.50	84	234254	161.550	ug/l	98
21) trans-1,2-Dichloroethene	4.98	96	226994	152.562	ug/l	99
22) Diisopropyl ether	5.90	45	915716	195.121	ug/l	98
23) Vinyl Acetate	5.84	43	3780452	1004.081	ug/l	99
24) 1,1-Dichloroethane	5.80	63	456526	178.252	ug/l	99
25) 2-Butanone	6.78	43	946972	1014.466	ug/l	99
26) 2,2-Dichloropropane	6.77	77	358015	158.458	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	263691	159.279	ug/l	99
28) Bromochloromethane	7.15	49	223273	201.009	ug/l	99
29) Tetrahydrofuran	7.16	42	647493	1008.198	ug/l	100
30) Chloroform	7.33	83	453529	175.194	ug/l	100
31) Cyclohexane	7.61	56	423721	164.884	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	400103	173.358	ug/l	99
36) 1,1-Dichloropropene	7.75	75	341174	160.770	ug/l	99
37) Ethyl Acetate	6.88	43	403367	185.035	ug/l	99
38) Carbon Tetrachloride	7.73	117	307622	166.896	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	392455	153.435	ug/l	100
40) Benzene	8.00	78	1004499	160.131	ug/l	100
41) Methacrylonitrile	7.12	41	169990	170.217	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	378904	167.103	ug/l	100
43) Isopropyl Acetate	8.12	43	684741	185.490	ug/l	99
44) Trichloroethene	8.80	130	258386	143.270	ug/l	99
45) 1,2-Dichloropropane	9.08	63	267463	160.381	ug/l	100
46) Dibromomethane	9.18	93	171449	161.338	ug/l	99
47) Bromodichloromethane	9.37	83	367759	174.014	ug/l	99
48) Methyl methacrylate	9.17	41	322847	186.595	ug/l	99
49) 1,4-Dioxane	9.17	88	66044	2608.815	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	2035535	941.393	ug/l	98
52) Toluene	10.12	92	629276	160.522	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	423989	165.332	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	439392	165.160	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	242763	160.622	ug/l	98
56) Ethyl methacrylate	10.40	69	423536	182.967	ug/l	99
57) 1,3-Dichloropropane	10.68	76	433883	167.285	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1073572	899.025	ug/l	99
59) 2-Hexanone	10.72	43	1520891	953.213	ug/l	99
60) Dibromochloromethane	10.88	129	268955	170.234	ug/l	98
61) 1,2-Dibromoethane	10.98	107	253301	162.932	ug/l	99
64) Tetrachloroethene	10.60	164	265716	127.853	ug/l	99
65) Chlorobenzene	11.41	112	636909	151.466	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	234179	157.053	ug/l	99
67) Ethyl Benzene	11.48	91	1225202	155.858	ug/l	99
68) m/p-Xylenes	11.60	106	905119	309.213	ug/l	99
69) o-Xylene	11.92	106	434611	153.868	ug/l	99
70) Styrene	11.94	104	762557	166.109	ug/l	100
71) Bromoform	12.10	173	187115	167.333	ug/l #	100
73) Isopropylbenzene	12.22	105	1182221	154.912	ug/l	99
74) N-amyl acetate	12.04	43	635206	181.499	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	349755	167.084	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	322256m	140.241	ug/l	
77) Bromobenzene	12.50	156	269867	146.566	ug/l	98
78) n-propylbenzene	12.57	91	1400822	156.109	ug/l	100
79) 2-Chlorotoluene	12.65	91	817621	156.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	996646	155.142	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	137484	156.835	ug/l	99
82) 4-Chlorotoluene	12.75	91	870408	157.107	ug/l	99
83) tert-Butylbenzene	12.97	119	839560	155.813	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	1004469	156.505	ug/l	100
85) sec-Butylbenzene	13.15	105	1147341	156.854	ug/l	100
86) p-Isopropyltoluene	13.26	119	1034391	155.988	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	491328	149.432	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	494100	148.337	ug/l	99
89) n-Butylbenzene	13.59	91	957617	158.194	ug/l	99
90) Hexachloroethane	13.85	117	114446	213.852	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	463550	151.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	79802	175.321	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	298423	146.850	ug/l	100
94) Hexachlorobutadiene	14.99	225	120120	136.453	ug/l	98
95) Naphthalene	15.10	128	1003296	158.648	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	293418	149.954	ug/l	100

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

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