

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061542.D
 Acq On : 28 May 2020 19:19
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 5/29/2020 5:46:51 PM

Quant Time: May 29 02:00:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 01:43:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	400663	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	645848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	620589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	322002	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	466421	80.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	161.10%	
35) Dibromofluoromethane	7.55	113	313772	92.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.50%	
50) Toluene-d8	10.06	98	1589674	101.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.08%	
62) 4-Bromofluorobenzene	12.38	95	581582	100.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	469767	133.606	ug/l	98
3) Chloromethane	2.03	50	470856	87.348	ug/l	100
4) Vinyl Chloride	2.16	62	664620	87.365	ug/l	99
5) Bromomethane	2.52	94	369575	87.540	ug/l	99
6) Chloroethane	2.66	64	408351	80.172	ug/l	99
7) Trichlorofluoromethane	2.98	101	814066	87.236	ug/l	100
8) Diethyl Ether	3.37	74	247759	91.002	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	364579	93.814	ug/l	99
10) Methyl Iodide	3.91	142	528473	107.618	ug/l	100
11) Tert butyl alcohol	4.73	59	307762	459.111	ug/l	99
12) 1,1-Dichloroethene	3.69	96	385747	94.135	ug/l	96
13) Acrolein	3.56	56	88275	184.830	ug/l	98
14) Allyl chloride	4.27	41	506082	79.091	ug/l	99
15) Acrylonitrile	4.93	53	880916	442.857	ug/l	99
16) Acetone	3.77	43	637731	359.187	ug/l	100
17) Carbon Disulfide	4.01	76	812007	80.733	ug/l	98
18) Methyl Acetate	4.27	43	404736	88.509	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1320640	86.607	ug/l	98
20) Methylene Chloride	4.50	84	428831	88.493	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	435157	93.142	ug/l	97
22) Diisopropyl ether	5.90	45	1135850	78.736	ug/l	98
23) Vinyl Acetate	5.84	43	4519583	394.067	ug/l	98
24) 1,1-Dichloroethane	5.80	63	708191	83.403	ug/l	99
25) 2-Butanone	6.78	43	1072965	407.293	ug/l	99
26) 2,2-Dichloropropane	6.77	77	618225	76.815	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	505838	91.785	ug/l	100
28) Bromochloromethane	7.15	49	275185	78.368	ug/l	98
29) Tetrahydrofuran	7.17	42	720101	412.760	ug/l	100
30) Chloroform	7.33	83	788884	88.464	ug/l	99
31) Cyclohexane	7.61	56	626434	77.603	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	728610	89.305	ug/l	100
36) 1,1-Dichloropropene	7.75	75	579912	97.456	ug/l	100
37) Ethyl Acetate	6.88	43	473649	87.952	ug/l	99
38) Carbon Tetrachloride	7.73	117	598867	108.780	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	728515	100.002	ug/l	98
40) Benzene	8.00	78	1769636	98.506	ug/l	100
41) Methacrylonitrile	7.13	41	213671	96.502	ug/l #	87
42) 1,2-Dichloroethane	8.09	62	584928	91.331	ug/l	99
43) Isopropyl Acetate	8.13	43	830001	89.052	ug/l	99
44) Trichloroethene	8.80	130	556770	114.579	ug/l	96
45) 1,2-Dichloropropane	9.08	63	418891	93.845	ug/l	99
46) Dibromomethane	9.18	93	317866	100.142	ug/l	97
47) Bromodichloromethane	9.37	83	651944	98.519	ug/l	99
48) Methyl methacrylate	9.17	41	368035	85.992	ug/l	100
49) 1,4-Dioxane	9.17	88	112112	2092.047	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	2373231	466.654	ug/l	99
52) Toluene	10.12	92	1187051	102.567	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	719926	99.722	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	752930	97.578	ug/l	100
55) 1,1,2-Trichloroethane	10.54	97	464602	105.795	ug/l	98
56) Ethyl methacrylate	10.40	69	685369	101.064	ug/l	100
57) 1,3-Dichloropropane	10.68	76	738498	98.270	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	1498269	503.672	ug/l	100
59) 2-Hexanone	10.72	43	1743071	474.009	ug/l	99
60) Dibromochloromethane	10.88	129	562202	114.818	ug/l	99
61) 1,2-Dibromoethane	10.98	107	498846	107.747	ug/l	100
64) Tetrachloroethene	10.60	164	601689	121.511	ug/l	98
65) Chlorobenzene	11.41	112	1303739	103.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	486762	106.926	ug/l	99
67) Ethyl Benzene	11.48	91	2238228	98.354	ug/l	98
68) m/p-Xylenes	11.60	106	1801169	207.090	ug/l	96
69) o-Xylene	11.92	106	868490	103.169	ug/l	98
70) Styrene	11.94	104	1488411	106.977	ug/l	99
71) Bromoform	12.10	173	407708	125.228	ug/l #	99
73) Isopropylbenzene	12.22	105	2247538	88.821	ug/l	99
74) N-amyl acetate	12.04	43	760707	83.478	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	616579	88.495	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	538515m	80.335	ug/l	
77) Bromobenzene	12.50	156	592897	105.108	ug/l	99
78) n-propylbenzene	12.57	91	2523098	88.030	ug/l	99
79) 2-Chlorotoluene	12.65	91	1489599	87.608	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1909659	92.095	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	228808	89.825	ug/l	99
82) 4-Chlorotoluene	12.75	91	1585007	90.054	ug/l	100
83) tert-Butylbenzene	12.97	119	1659384	93.155	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	1912689	92.184	ug/l	97
85) sec-Butylbenzene	13.15	105	2176002	90.952	ug/l	100
86) p-Isopropyltoluene	13.26	119	2036043	95.261	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	1063328	103.840	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1076278	104.979	ug/l	99
89) n-Butylbenzene	13.59	91	1727400	90.136	ug/l	100
90) Hexachloroethane	13.85	117	232485	83.420	ug/l	93
91) 1,2-Dichlorobenzene	13.63	146	1009278	102.736	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	123677	87.860	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	634616	118.035	ug/l	100
94) Hexachlorobutadiene	14.99	225	251133	106.152	ug/l	99
95) Naphthalene	15.10	128	1932890	113.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	616190	114.740	ug/l	98

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

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