

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052820\
 Data File : VN061543.D
 Acq On : 28 May 2020 19:42
 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
 5/29/2020 5:46:53 PM

Quant Time: May 29 02:03:03 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	408236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	653959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	621455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	325224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	725731	123.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	246.02%	
35) Dibromofluoromethane	7.55	113	422700	122.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	245.48%	
50) Toluene-d8	10.06	98	2446318	153.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.12%	
62) 4-Bromofluorobenzene	12.38	95	911816	154.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	718722	200.619	ug/l	98
3) Chloromethane	2.03	50	680001	123.806	ug/l	99
4) Vinyl Chloride	2.15	62	995016	128.370	ug/l	98
5) Bromomethane	2.50	94	541380	125.856	ug/l	100
6) Chloroethane	2.65	64	606203	116.808	ug/l	99
7) Trichlorofluoromethane	2.97	101	1205188	126.754	ug/l	99
8) Diethyl Ether	3.37	74	376698	135.795	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	556041	140.427	ug/l	98
10) Methyl Iodide	3.91	142	827959	165.477	ug/l	99
11) Tert butyl alcohol	4.73	59	477787	699.527	ug/l	99
12) 1,1-Dichloroethene	3.69	96	584333	139.951	ug/l	96
13) Acrolein	3.56	56	128404	263.864	ug/l	97
14) Allyl chloride	4.27	41	712679	109.312	ug/l	98
15) Acrylonitrile	4.93	53	1346127	664.176	ug/l	99
16) Acetone	3.77	43	996703	550.956	ug/l	99
17) Carbon Disulfide	4.00	76	1235760	120.585	ug/l	98
18) Methyl Acetate	4.27	43	621210	133.328	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	2002039	128.858	ug/l	99
20) Methylene Chloride	4.50	84	646666	130.970	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	673417	141.465	ug/l	96
22) Diisopropyl ether	5.90	45	1727877	117.552	ug/l	98
23) Vinyl Acetate	5.84	43	6600514	564.830	ug/l	96
24) 1,1-Dichloroethane	5.80	63	1068425	123.494	ug/l	99
25) 2-Butanone	6.79	43	1639406	610.768	ug/l	99
26) 2,2-Dichloropropane	6.77	77	923779	112.650	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	765454	136.316	ug/l	100
28) Bromochloromethane	7.15	49	421813	117.897	ug/l	97
29) Tetrahydrofuran	7.16	42	1097433	617.377	ug/l	99
30) Chloroform	7.33	83	1202085	132.300	ug/l	99
31) Cyclohexane	7.61	56	941002	114.409	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	1097003	131.964	ug/l	99
36) 1,1-Dichloropropene	7.75	75	878750	145.844	ug/l	99
37) Ethyl Acetate	6.88	43	720038	132.045	ug/l	98
38) Carbon Tetrachloride	7.73	117	911364	163.490	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	1093394	148.227	ug/l	98
40) Benzene	8.00	78	2661544	146.316	ug/l	100
41) Methacrylonitrile	7.12	41	299463	133.572	ug/l	98
42) 1,2-Dichloroethane	8.09	62	883581	136.252	ug/l	100
43) Isopropyl Acetate	8.13	43	1269333	134.499	ug/l	100
44) Trichloroethene	8.80	130	846985	172.141	ug/l	94
45) 1,2-Dichloropropane	9.08	63	630836	139.574	ug/l	99
46) Dibromomethane	9.18	93	489383	152.266	ug/l	97
47) Bromodichloromethane	9.37	83	983557	146.788	ug/l	99
48) Methyl methacrylate	9.17	41	562563	129.813	ug/l	98
49) 1,4-Dioxane	9.17	88	179772	3312.997	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	3484974	676.760	ug/l	96
52) Toluene	10.13	92	1797353	153.375	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	1089876	149.094	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	1147761	146.903	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	694550	156.196	ug/l	96
56) Ethyl methacrylate	10.40	69	1055279	153.681	ug/l	100
57) 1,3-Dichloropropane	10.68	76	1122529	147.520	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	2272991	754.633	ug/l	99
59) 2-Hexanone	10.72	43	2598955	697.992	ug/l	98
60) Dibromochloromethane	10.88	129	859636	173.385	ug/l	99
61) 1,2-Dibromoethane	10.98	107	756211	161.309	ug/l	100
64) Tetrachloroethene	10.60	164	921223	185.781	ug/l	99
65) Chlorobenzene	11.41	112	1950762	154.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	740427	162.421	ug/l	99
67) Ethyl Benzene	11.49	91	3263678	143.216	ug/l	94
68) m/p-Xylenes	11.60	106	2690704	308.934	ug/l	88
69) o-Xylene	11.92	106	1301362	154.375	ug/l	97
70) Styrene	11.94	104	2245627	161.175	ug/l	99
71) Bromoform	12.10	173	635726	194.993	ug/l #	99
73) Isopropylbenzene	12.22	105	3286083	128.577	ug/l	97
74) N-amyl acetate	12.05	43	1152071	125.173	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	904946	128.596	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	819255m	121.005	ug/l	
77) Bromobenzene	12.50	156	908096	159.391	ug/l	98
78) n-propylbenzene	12.57	91	3636802	125.630	ug/l	96
79) 2-Chlorotoluene	12.65	91	2248666	130.941	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	2825153	134.895	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.27	75	353742	137.496	ug/l	99
82) 4-Chlorotoluene	12.75	91	2380763	133.926	ug/l	99
83) tert-Butylbenzene	12.97	119	2478566	137.763	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	2844279	135.726	ug/l	96
85) sec-Butylbenzene	13.15	105	3175077	131.396	ug/l	98
86) p-Isopropyltoluene	13.26	119	2973849	137.759	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	1610093	155.677	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1627485	157.170	ug/l	99
89) n-Butylbenzene	13.59	91	2576099	133.089	ug/l	98
90) Hexachloroethane	13.85	117	372235	132.241	ug/l	94
91) 1,2-Dichlorobenzene	13.63	146	1519162	153.105	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	192691	135.531	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	993015	182.865	ug/l	100
94) Hexachlorobutadiene	14.99	225	384373	160.862	ug/l	100
95) Naphthalene	15.10	128	2956511	171.798	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	961243	177.219	ug/l	99

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

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