

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057441.D
 Acq On : 22 Aug 2019 18:43
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:13 PM

Quant Time: Aug 23 04:36:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 04:20:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	418566	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	754821	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	701505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	279957	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	711729	138.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.64%	
35) Dibromofluoromethane	7.57	113	484052	97.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.00%	
50) Toluene-d8	10.08	98	1931067	104.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.64%	
62) 4-Bromofluorobenzene	12.40	95	679363	104.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	494929	128.413	ug/l	96
3) Chloromethane	2.04	50	645984	137.926	ug/l	99
4) Vinyl Chloride	2.17	62	820649	173.078	ug/l	98
5) Bromomethane	2.53	94	494700	151.574	ug/l	98
6) Chloroethane	2.68	64	509060	160.793	ug/l	97
7) Trichlorofluoromethane	3.00	101	1239170	169.104	ug/l	98
8) Diethyl Ether	3.39	74	442633	161.726	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	673629	160.861	ug/l	100
10) Methyl Iodide	3.92	142	538908	93.030	ug/l	99
11) Tert butyl alcohol	4.79	59	447974	648.457	ug/l	97
12) 1,1-Dichloroethene	3.71	96	660444	158.367	ug/l	99
13) Acrolein	3.58	56	377890	793.919	ug/l	99
14) Allyl chloride	4.29	41	923002	142.542	ug/l	98
15) Acrylonitrile	4.96	53	1219133	654.733	ug/l	100
16) Acetone	3.80	43	1843657	1091.093	ug/l	96
17) Carbon Disulfide	4.01	76	1219588	117.696	ug/l	99
18) Methyl Acetate	4.30	43	721733	105.401	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	1593491	129.730	ug/l	100
20) Methylene Chloride	4.52	84	487022	107.173	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	460335	112.891	ug/l	98
22) Diisopropyl ether	5.93	45	1909544	147.526	ug/l	99
23) Vinyl Acetate	5.87	43	7588095	736.306	ug/l	100
24) 1,1-Dichloroethane	5.82	63	997863	130.248	ug/l	99
25) 2-Butanone	6.82	43	1754103	706.897	ug/l	98
26) 2,2-Dichloropropane	6.80	77	826699	132.416	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	553913	114.373	ug/l	99
28) Bromochloromethane	7.18	49	569396	156.123	ug/l	96
29) Tetrahydrofuran	7.20	42	1162665	731.143	ug/l	99
30) Chloroform	7.36	83	971031	122.450	ug/l	99
31) Cyclohexane	7.63	56	941781	134.789	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	861243	129.104	ug/l	99
36) 1,1-Dichloropropene	7.77	75	726253	106.893	ug/l	100
37) Ethyl Acetate	6.92	43	745405	130.404	ug/l	99
38) Carbon Tetrachloride	7.76	117	724342	103.603	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	899101	112.779	ug/l	98
40) Benzene	8.03	78	2191613	106.073	ug/l	97
41) Methacrylonitrile	7.16	41	369854	141.788	ug/l #	88
42) 1,2-Dichloroethane	8.11	62	830133	118.324	ug/l	100
43) Isopropyl Acetate	8.16	43	1326900	107.951	ug/l	99
44) Trichloroethene	8.82	130	493104	87.468	ug/l	99
45) 1,2-Dichloropropane	9.11	63	610482	113.118	ug/l	99
46) Dibromomethane	9.20	93	388304	108.965	ug/l	99
47) Bromodichloromethane	9.39	83	816245	114.693	ug/l	99
48) Methyl methacrylate	9.19	41	646703	135.027	ug/l	99
49) 1,4-Dioxane	9.20	88	168179	1834.687	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	3836905	646.803	ug/l	100
52) Toluene	10.15	92	1350274	106.177	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	902457	117.755	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	968851	114.940	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	511077	102.277	ug/l	99
56) Ethyl methacrylate	10.43	69	877392	118.496	ug/l	99
57) 1,3-Dichloropropane	10.71	76	919726	108.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1240090	652.706	ug/l	99
59) 2-Hexanone	10.75	43	2677163	635.275	ug/l	100
60) Dibromochloromethane	10.90	129	570860	102.918	ug/l	99
61) 1,2-Dibromoethane	11.00	107	527241	99.683	ug/l	99
64) Tetrachloroethene	10.63	164	442643	75.320	ug/l	96
65) Chlorobenzene	11.43	112	1324112	93.282	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	504435	92.945	ug/l	99
67) Ethyl Benzene	11.51	91	2590390	102.162	ug/l	100
68) m/p-Xylenes	11.62	106	1869078	202.588	ug/l	98
69) o-Xylene	11.95	106	900404	99.274	ug/l	100
70) Styrene	11.96	104	1519576	105.070	ug/l	99
71) Bromoform	12.13	173	359376	85.875	ug/l #	100
73) Isopropylbenzene	12.25	105	2444263	89.028	ug/l	99
74) N-amyl acetate	12.07	43	1143906	129.158	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	695946	86.687	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	579186m	84.127	ug/l	
77) Bromobenzene	12.53	156	504055	72.772	ug/l	99
78) n-propylbenzene	12.59	91	2834592	102.507	ug/l	100
79) 2-Chlorotoluene	12.68	91	1644775	93.154	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2017033	91.333	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	244278	103.898	ug/l	100
82) 4-Chlorotoluene	12.78	91	1660430	101.765	ug/l	100
83) tert-Butylbenzene	13.00	119	1662219	81.818	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1956697	95.424	ug/l	99
85) sec-Butylbenzene	13.17	105	2284271	92.978	ug/l	100
86) p-Isopropyltoluene	13.29	119	1958751	93.928	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	850770	88.135	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	842158	91.213	ug/l	98
89) n-Butylbenzene	13.62	91	1744979	113.761	ug/l	100
90) Hexachloroethane	13.88	117	405989	93.236	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	830917	92.062	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	133556	126.298	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	363469	120.687	ug/l	99
94) Hexachlorobutadiene	15.01	225	215969	54.214	ug/l	98
95) Naphthalene	15.13	128	1163394	165.836	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	363461	125.548	ug/l	99

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

