

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058401.D
 Acq On : 27 Sep 2019 11:55
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:32 AM

Quant Time: Sep 27 23:32:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	459613	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	779574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	689099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	139300	21.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.08%	
35) Dibromofluoromethane	7.57	113	98391	20.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.48%	
50) Toluene-d8	10.09	98	388489	21.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.14%	
62) 4-Bromofluorobenzene	12.40	95	134876	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	104367	25.767	ug/l	98
3) Chloromethane	2.04	50	110894	28.128	ug/l	98
4) Vinyl Chloride	2.17	62	111123	27.566	ug/l	98
5) Bromomethane	2.53	94	58108	28.233	ug/l	92
6) Chloroethane	2.68	64	68409	26.193	ug/l	96
7) Trichlorofluoromethane	3.00	101	134389	24.440	ug/l	99
8) Diethyl Ether	3.39	74	59310	24.009	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	93284	23.883	ug/l	99
10) Methyl Iodide	3.93	142	96162	27.032	ug/l	98
11) Tert butyl alcohol	4.76	59	77512	101.980	ug/l	96
12) 1,1-Dichloroethene	3.72	96	90362	26.352	ug/l	97
13) Acrolein	3.58	56	21948	164.598	ug/l	97
14) Allyl chloride	4.30	41	160608	24.803	ug/l	99
15) Acrylonitrile	4.96	53	230282	111.554	ug/l	99
16) Acetone	3.79	43	251732	113.041	ug/l	98
17) Carbon Disulfide	4.03	76	224295	36.225	ug/l	98
18) Methyl Acetate	4.30	43	111060	19.292	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	314858	21.935	ug/l	98
20) Methylene Chloride	4.53	84	106230	23.820	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	99396	26.725	ug/l	99
22) Diisopropyl ether	5.93	45	345782	21.893	ug/l	96
23) Vinyl Acetate	5.87	43	1403479	126.382	ug/l	99
24) 1,1-Dichloroethane	5.82	63	196789	22.964	ug/l	98
25) 2-Butanone	6.82	43	332033	110.338	ug/l	100
26) 2,2-Dichloropropane	6.81	77	162398	22.405	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	115097	23.609	ug/l	99
28) Bromochloromethane	7.18	49	81427	20.931	ug/l	98
29) Tetrahydrofuran	7.19	42	205615	109.786	ug/l	99
30) Chloroform	7.36	83	198355	21.775	ug/l	97
31) Cyclohexane	7.64	56	189013	27.496	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	162290	23.105	ug/l	99
36) 1,1-Dichloropropene	7.78	75	151063	25.076	ug/l	99
37) Ethyl Acetate	6.91	43	136148	22.792	ug/l	99
38) Carbon Tetrachloride	7.76	117	137726	23.277	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	175505	26.968	ug/l	100
40) Benzene	8.03	78	435274	24.090	ug/l	99
41) Methacrylonitrile	7.16	41	69249	24.539	ug/l	90
42) 1,2-Dichloroethane	8.11	62	169625	22.797	ug/l	100
43) Isopropyl Acetate	8.15	43	226669	20.430	ug/l #	91
44) Trichloroethene	8.82	130	107444	24.253	ug/l	97
45) 1,2-Dichloropropane	9.11	63	119042	22.638	ug/l	98
46) Dibromomethane	9.20	93	73642	22.847	ug/l	99
47) Bromodichloromethane	9.39	83	139173	20.977	ug/l	97
48) Methyl methacrylate	9.19	41	106356	21.140	ug/l	98
49) 1,4-Dioxane	9.19	88	29832	373.742	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	662656	113.688	ug/l	99
52) Toluene	10.15	92	270697	24.075	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	149029	21.621	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	171350	22.455	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	100140	20.768	ug/l	98
56) Ethyl methacrylate	10.43	69	151737	21.660	ug/l	98
57) 1,3-Dichloropropane	10.71	76	178834	21.402	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	313079	97.642	ug/l	100
59) 2-Hexanone	10.75	43	484026	112.089	ug/l	99
60) Dibromochloromethane	10.90	129	93938	20.239	ug/l	99
61) 1,2-Dibromoethane	11.00	107	104035	22.816	ug/l	99
64) Tetrachloroethene	10.63	164	88791	24.887	ug/l	98
65) Chlorobenzene	11.43	112	276538	22.142	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	93322	20.929	ug/l	98
67) Ethyl Benzene	11.51	91	521566	24.172	ug/l	100
68) m/p-Xylenes	11.62	106	380783	46.795	ug/l	99
69) o-Xylene	11.95	106	185766	23.338	ug/l	100
70) Styrene	11.97	104	302048	22.266	ug/l	99
71) Bromoform	12.13	173	54374	19.369	ug/l #	100
73) Isopropylbenzene	12.25	105	499354	24.339	ug/l	100
74) N-amyl acetate	12.07	43	190727	22.486	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	144688	21.610	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	123573m	21.472	ug/l	
77) Bromobenzene	12.53	156	112764	22.043	ug/l	99
78) n-propylbenzene	12.60	91	568282	24.359	ug/l	100
79) 2-Chlorotoluene	12.68	91	333675	23.012	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	416437	24.082	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36599	20.675	ug/l	91
82) 4-Chlorotoluene	12.78	91	346803	22.872	ug/l	100
83) tert-Butylbenzene	13.00	119	347486	22.752	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	417114	24.225	ug/l	99
85) sec-Butylbenzene	13.18	105	460865	23.076	ug/l	99
86) p-Isopropyltoluene	13.29	119	405226	22.874	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	202697	21.850	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	200653	21.248	ug/l	98
89) n-Butylbenzene	13.62	91	363738	21.959	ug/l	98
90) Hexachloroethane	13.88	117	59696	21.765	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	199766	21.651	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25950	21.573	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	109397	18.846	ug/l	100
94) Hexachlorobutadiene	15.02	225	54627	19.437	ug/l	99
95) Naphthalene	15.13	128	283335	18.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	98237	18.019	ug/l	99

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

