

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082219\
 Data File : VN057443.D
 Acq On : 22 Aug 2019 19:34
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN082219

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 2:40:20 PM

Quant Time: Aug 23 05:21:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	401110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	728352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	661519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	247843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	360666	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
35) Dibromofluoromethane	7.57	113	244259	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.08	98	977899	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.40	95	336866	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	267277	56.467	ug/l	97
3) Chloromethane	2.04	50	325829	48.197	ug/l	98
4) Vinyl Chloride	2.17	62	405706	49.305	ug/l	98
5) Bromomethane	2.54	94	255673	50.419	ug/l	99
6) Chloroethane	2.68	64	243616	46.027	ug/l	99
7) Trichlorofluoromethane	3.00	101	608608	47.650	ug/l	98
8) Diethyl Ether	3.39	74	216194	50.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	323452	50.597	ug/l	99
10) Methyl Iodide	3.92	142	262412	50.314	ug/l	100
11) Tert butyl alcohol	4.79	59	222636	253.950	ug/l	97
12) 1,1-Dichloroethene	3.71	96	318119	46.594	ug/l	97
13) Acrolein	3.58	56	197877	256.687	ug/l	98
14) Allyl chloride	4.29	41	454971	50.311	ug/l	98
15) Acrylonitrile	4.97	53	590043	249.568	ug/l	99
16) Acetone	3.79	43	574549	177.308	ug/l	99
17) Carbon Disulfide	4.02	76	636404	48.865	ug/l	99
18) Methyl Acetate	4.30	43	356664	51.023	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	779834	47.317	ug/l	98
20) Methylene Chloride	4.52	84	251888	52.433	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	226129	46.936	ug/l	96
22) Diisopropyl ether	5.93	45	935612	48.300	ug/l	100
23) Vinyl Acetate	5.87	43	3625387	239.615	ug/l	100
24) 1,1-Dichloroethane	5.82	63	489833	47.714	ug/l	99
25) 2-Butanone	6.82	43	830100	235.914	ug/l	99
26) 2,2-Dichloropropane	6.80	77	397145	44.672	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	272342	47.686	ug/l	99
28) Bromochloromethane	7.17	49	278689	50.410	ug/l	99
29) Tetrahydrofuran	7.20	42	555801	239.550	ug/l	99
30) Chloroform	7.36	83	473725	49.738	ug/l	98
31) Cyclohexane	7.63	56	472965	47.718	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	416593	47.306	ug/l	99
36) 1,1-Dichloropropene	7.78	75	357701	48.063	ug/l	99
37) Ethyl Acetate	6.91	43	351590	47.809	ug/l	99
38) Carbon Tetrachloride	7.76	117	352309	47.651	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	435715	49.295	ug/l	96
40) Benzene	8.03	78	1050955	47.049	ug/l	98
41) Methacrylonitrile	7.15	41	178960	51.034	ug/l	90
42) 1,2-Dichloroethane	8.11	62	405386	47.134	ug/l	100
43) Isopropyl Acetate	8.16	43	641828	47.598	ug/l	100
44) Trichloroethene	8.82	130	240068	48.146	ug/l	97
45) 1,2-Dichloropropane	9.11	63	296360	47.109	ug/l	100
46) Dibromomethane	9.20	93	185424	50.306	ug/l	98
47) Bromodichloromethane	9.40	83	388607	46.823	ug/l	100
48) Methyl methacrylate	9.19	41	302409	47.162	ug/l	97
49) 1,4-Dioxane	9.20	88	81310	980.608	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1820967	242.308	ug/l	99
52) Toluene	10.15	92	647882	50.323	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	420572	48.378	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	450060	46.497	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	249247	47.874	ug/l	97
56) Ethyl methacrylate	10.43	69	413861	50.532	ug/l	99
57) 1,3-Dichloropropane	10.70	76	439871	48.544	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	521981	230.285	ug/l	100
59) 2-Hexanone	10.75	43	1265688	245.551	ug/l	99
60) Dibromochloromethane	10.90	129	270080	49.087	ug/l	99
61) 1,2-Dibromoethane	11.00	107	252105	49.370	ug/l	98
64) Tetrachloroethene	10.63	164	214606	46.370	ug/l	97
65) Chlorobenzene	11.43	112	639135	47.795	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	238323	46.471	ug/l	99
67) Ethyl Benzene	11.51	91	1230234	47.530	ug/l	99
68) m/p-Xylenes	11.62	106	881244	100.114	ug/l	97
69) o-Xylene	11.95	106	428120	49.097	ug/l	100
70) Styrene	11.96	104	707948	51.273	ug/l	99
71) Bromoform	12.13	173	164040	47.318	ug/l #	99
73) Isopropylbenzene	12.25	105	1152670	52.617	ug/l	99
74) N-amyl acetate	12.07	43	547475	53.079	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	336906	53.468	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	297849m	54.641	ug/l	
77) Bromobenzene	12.53	156	235210	51.837	ug/l	97
78) n-propylbenzene	12.59	91	1312986	52.186	ug/l	100
79) 2-Chlorotoluene	12.68	91	771654	52.333	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	954916	53.049	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112634	50.433	ug/l	97
82) 4-Chlorotoluene	12.78	91	763890	51.812	ug/l	99
83) tert-Butylbenzene	12.99	119	800017	53.221	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	935400	48.547	ug/l	99
85) sec-Butylbenzene	13.17	105	1078338	52.801	ug/l	100
86) p-Isopropyltoluene	13.29	119	914047	47.182	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	391307	48.879	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	382416	48.778	ug/l	98
89) n-Butylbenzene	13.62	91	811060	49.473	ug/l	100
90) Hexachloroethane	13.88	117	190525	52.768	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	386029	50.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57664	48.666	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	148940	48.364	ug/l	99
94) Hexachlorobutadiene	15.01	225	110253	57.091	ug/l	97
95) Naphthalene	15.13	128	493810	50.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	152765	49.501	ug/l	97

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

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