

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055179.D
 Acq On : 22 Apr 2019 13:46
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN042219

Manual Integrations
 APPROVED

MMDadoda
 4/23/2019 1:47:13 PM

Quant Time: Apr 23 06:13:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	441084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	685307	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	606044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	262617	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	281992	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	7.59	113	226492	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
50) Toluene-d8	10.09	98	851911	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	284770	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	305493	53.792	ug/l	99
3) Chloromethane	2.06	50	343108	49.304	ug/l	100
4) Vinyl Chloride	2.19	62	272432	48.856	ug/l	96
5) Bromomethane	2.55	94	142169	43.963	ug/l	99
6) Chloroethane	2.70	64	141256	48.063	ug/l	98
7) Trichlorofluoromethane	3.01	101	374471	49.348	ug/l	97
8) Diethyl Ether	3.41	74	133363	49.239	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	228609	48.279	ug/l	99
10) Methyl Iodide	3.95	142	338765	51.017	ug/l	100
11) Tert butyl alcohol	4.78	59	84230	241.660	ug/l	99
12) 1,1-Dichloroethene	3.73	96	220952	48.689	ug/l	99
13) Acrolein	3.61	56	133581	255.448	ug/l	99
14) Allyl chloride	4.32	41	439353	48.974	ug/l	99
15) Acrylonitrile	4.99	53	483869	253.132	ug/l	99
16) Acetone	3.82	43	477569	241.975	ug/l	98
17) Carbon Disulfide	4.05	76	627666	49.474	ug/l	99
18) Methyl Acetate	4.33	43	214560	50.606	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	625248	49.834	ug/l	97
20) Methylene Chloride	4.55	84	254609	44.874	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	232815	48.925	ug/l	94
22) Diisopropyl ether	5.95	45	870271	48.667	ug/l	98
23) Vinyl Acetate	5.90	43	3185742	265.108	ug/l	100
24) 1,1-Dichloroethane	5.85	63	458231	47.640	ug/l	99
25) 2-Butanone	6.83	43	638378	250.538	ug/l	98
26) 2,2-Dichloropropane	6.82	77	321173	49.343	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	263877	48.104	ug/l	100
28) Bromochloromethane	7.19	49	234126	47.751	ug/l	99
29) Tetrahydrofuran	7.21	42	398660	254.468	ug/l	100
30) Chloroform	7.37	83	431824	47.197	ug/l	99
31) Cyclohexane	7.65	56	456119	50.669	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	354849	48.276	ug/l	99
36) 1,1-Dichloropropene	7.79	75	334956	52.660	ug/l	100
37) Ethyl Acetate	6.93	43	260598	50.766	ug/l	100
38) Carbon Tetrachloride	7.77	117	307105	51.559	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	389758	51.363	ug/l	98
40) Benzene	8.04	78	981466	49.985	ug/l	100
41) Methacrylonitrile	7.17	41	140716	52.287	ug/l	96
42) 1,2-Dichloroethane	8.12	62	335546	48.984	ug/l	100
43) Isopropyl Acetate	8.16	43	444797	53.509	ug/l #	89
44) Trichloroethene	8.83	130	251443	50.666	ug/l	97
45) 1,2-Dichloropropane	9.12	63	276835	49.947	ug/l	100
46) Dibromomethane	9.21	93	155535	49.021	ug/l	98
47) Bromodichloromethane	9.40	83	328778	51.763	ug/l	96
48) Methyl methacrylate	9.20	41	206666	51.254	ug/l	98
49) 1,4-Dioxane	9.20	88	41768	896.983	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1252650	261.881	ug/l	100
52) Toluene	10.16	92	581810	50.545	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	316004	54.212	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	386275	53.400	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	211970	49.949	ug/l	99
56) Ethyl methacrylate	10.43	69	286924	54.274	ug/l	100
57) 1,3-Dichloropropane	10.71	76	374721	50.752	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	498472	244.945	ug/l	99
59) 2-Hexanone	10.75	43	817337	270.521	ug/l	98
60) Dibromochloromethane	10.90	129	223449	51.120	ug/l	100
61) 1,2-Dibromoethane	11.00	107	209468	52.499	ug/l	98
64) Tetrachloroethene	10.63	164	233048	47.138	ug/l	98
65) Chlorobenzene	11.43	112	589947	47.691	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	221596	48.334	ug/l	100
67) Ethyl Benzene	11.51	91	1107818	50.276	ug/l	98
68) m/p-Xylenes	11.62	106	817770	103.475	ug/l	99
69) o-Xylene	11.95	106	395513	50.429	ug/l	99
70) Styrene	11.96	104	659357	54.236	ug/l	100
71) Bromoform	12.13	173	142924	52.240	ug/l #	98
73) Isopropylbenzene	12.25	105	1051083	49.801	ug/l	100
74) N-amyl acetate	12.07	43	343711	50.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	269130	50.417	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	212857m	39.952	ug/l	
77) Bromobenzene	12.53	156	252106	43.484	ug/l	99
78) n-propylbenzene	12.59	91	1194406	45.351	ug/l	100
79) 2-Chlorotoluene	12.67	91	721207	43.366	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	893596	45.454	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	64767	46.083	ug/l	99
82) 4-Chlorotoluene	12.77	91	698576	45.655	ug/l	98
83) tert-Butylbenzene	12.99	119	736184	49.828	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	867521	46.761	ug/l	99
85) sec-Butylbenzene	13.17	105	970007	43.613	ug/l	100
86) p-Isopropyltoluene	13.29	119	860856	46.981	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	432659	48.614	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	414347	47.819	ug/l	98
89) n-Butylbenzene	13.61	91	708202	52.143	ug/l	99
90) Hexachloroethane	13.87	117	137124	42.195	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	417423	45.663	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38435	48.197	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	180960	47.029	ug/l	99
94) Hexachlorobutadiene	15.01	225	140376	52.887	ug/l	98
95) Naphthalene	15.13	128	374285	44.719	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	180220	47.115	ug/l	99

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

