

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055751.D
 Acq On : 23 May 2019 14:03
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN052319

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:22:24 AM

Quant Time: May 24 07:02:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	378782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	535656	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	474668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	225021	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	189750	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
35) Dibromofluoromethane	7.59	113	170012	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.09	98	646926	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	225257	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	116415	45.666	ug/l	100
3) Chloromethane	2.06	50	160930	45.057	ug/l	98
4) Vinyl Chloride	2.19	62	172788	45.356	ug/l	99
5) Bromomethane	2.54	94	119751m	50.245	ug/l	
6) Chloroethane	2.69	64	107911	47.048	ug/l	99
7) Trichlorofluoromethane	3.01	101	233894	46.830	ug/l	99
8) Diethyl Ether	3.40	74	103201	46.102	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	150211	48.180	ug/l	99
10) Methyl Iodide	3.94	142	221959	48.695	ug/l	100
11) Tert butyl alcohol	4.81	59	180194	241.092	ug/l	100
12) 1,1-Dichloroethene	3.72	96	149942	46.545	ug/l	98
13) Acrolein	3.60	56	118535	221.488	ug/l	98
14) Allyl chloride	4.31	41	260145	47.107	ug/l	100
15) Acrylonitrile	4.99	53	398600	232.252	ug/l	100
16) Acetone	3.82	43	414650	241.142	ug/l	98
17) Carbon Disulfide	4.04	76	413491	45.178	ug/l	99
18) Methyl Acetate	4.33	43	166042	47.433	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	498693	46.416	ug/l	99
20) Methylene Chloride	4.55	84	168079	45.135	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	161035	46.530	ug/l	97
22) Diisopropyl ether	5.96	45	497882	46.353	ug/l	98
23) Vinyl Acetate	5.90	43	2174063	236.075	ug/l	100
24) 1,1-Dichloroethane	5.84	63	287225	45.928	ug/l	99
25) 2-Butanone	6.84	43	569506	237.151	ug/l	99
26) 2,2-Dichloropropane	6.82	77	256901	47.466	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	188883	46.780	ug/l	99
28) Bromochloromethane	7.19	49	142802	47.960	ug/l	100
29) Tetrahydrofuran	7.22	42	349650	229.916	ug/l	99
30) Chloroform	7.37	83	291399	46.723	ug/l	100
31) Cyclohexane	7.65	56	271181	46.187	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	260832	46.866	ug/l	99
36) 1,1-Dichloropropene	7.79	75	222527	47.671	ug/l	100
37) Ethyl Acetate	6.93	43	217835	48.283	ug/l	99
38) Carbon Tetrachloride	7.77	117	228494	46.992	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	287502	49.736	ug/l	99
40) Benzene	8.04	78	672305	47.788	ug/l	100
41) Methacrylonitrile	7.18	41	95359	41.837	ug/l	89
42) 1,2-Dichloroethane	8.12	62	218955	47.629	ug/l	99
43) Isopropyl Acetate	8.17	43	356815	47.071	ug/l #	92
44) Trichloroethene	8.83	130	194679	49.637	ug/l	100
45) 1,2-Dichloropropane	9.12	63	175536	47.889	ug/l	99
46) Dibromomethane	9.21	93	116627	48.517	ug/l	98
47) Bromodichloromethane	9.40	83	236134	47.906	ug/l	99
48) Methyl methacrylate	9.20	41	174254	49.878	ug/l	99
49) 1,4-Dioxane	9.20	88	72025	992.082	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1067504	238.444	ug/l	99
52) Toluene	10.16	92	430270	48.629	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	261566	49.713	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	286905	49.223	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	170150	48.002	ug/l	99
56) Ethyl methacrylate	10.43	69	267992	48.920	ug/l	99
57) 1,3-Dichloropropane	10.71	76	276870	48.053	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	512053	244.589	ug/l	100
59) 2-Hexanone	10.75	43	782065	246.243	ug/l	100
60) Dibromochloromethane	10.90	129	202939	49.146	ug/l	99
61) 1,2-Dibromoethane	11.00	107	178787	48.627	ug/l	98
64) Tetrachloroethene	10.63	164	192838	48.168	ug/l	97
65) Chlorobenzene	11.43	112	462904	48.715	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	181536	47.900	ug/l	99
67) Ethyl Benzene	11.51	91	825782	48.460	ug/l	99
68) m/p-Xylenes	11.62	106	633750	98.376	ug/l	99
69) o-Xylene	11.95	106	311004	48.660	ug/l	99
70) Styrene	11.96	104	520569	50.295	ug/l	100
71) Bromoform	12.13	173	161696	50.020	ug/l #	100
73) Isopropylbenzene	12.25	105	819839	51.288	ug/l	100
74) N-amyl acetate	12.07	43	299540	49.118	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	237965	50.210	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	195019m	50.355	ug/l	
77) Bromobenzene	12.53	156	213208	44.402	ug/l	99
78) n-propylbenzene	12.59	91	882018	45.099	ug/l	100
79) 2-Chlorotoluene	12.67	91	528535	50.181	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	673779	50.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	77631	46.418	ug/l	99
82) 4-Chlorotoluene	12.77	91	523536	45.540	ug/l	99
83) tert-Butylbenzene	12.99	119	590375	50.737	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	671392	49.909	ug/l	99
85) sec-Butylbenzene	13.17	105	778026	51.429	ug/l	100
86) p-Isopropyltoluene	13.29	119	721099	46.145	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	362286	47.649	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	350436	48.478	ug/l	99
89) n-Butylbenzene	13.61	91	582104	48.617	ug/l	100
90) Hexachloroethane	13.87	117	133884	45.012	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	350313	46.181	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44323	44.455	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209351	48.116	ug/l	99
94) Hexachlorobutadiene	15.01	225	146035	54.881	ug/l	98
95) Naphthalene	15.13	128	533310	51.234	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	211998	52.869	ug/l	100

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

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