

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022519\
 Data File : VN053944.D
 Acq On : 25 Feb 2019 21:50
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/28/2019 10:48:44 AM

Quant Time: Feb 28 05:06:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	631363	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1044741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	915255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	426743	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	379346	51.26	ug/l	0.00
Spiked Amount						
			Recovery	=	102.52%	
35) Dibromofluoromethane	7.59	113	335539	49.67	ug/l	0.00
Spiked Amount						
			Recovery	=	99.34%	
50) Toluene-d8	10.09	98	1242750	49.41	ug/l	0.00
Spiked Amount						
			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.40	95	414166	49.43	ug/l	0.00
Spiked Amount						
			Recovery	=	98.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	286970	49.387	ug/l	99
3) Chloromethane	2.06	50	411140	51.011	ug/l	100
4) Vinyl Chloride	2.18	62	407764	50.494	ug/l	98
5) Bromomethane	2.57	94	249716	46.692	ug/l	99
6) Chloroethane	2.71	64	246427	49.066	ug/l	99
7) Trichlorofluoromethane	3.02	101	511197	49.551	ug/l	99
8) Diethyl Ether	3.41	74	198728	51.415	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	310030	47.582	ug/l	94
10) Methyl Iodide	3.95	142	463237	54.106	ug/l	98
11) Tert butyl alcohol	4.78	59	119207	254.076	ug/l	98
12) 1,1-Dichloroethene	3.74	96	307824	49.390	ug/l	93
13) Acrolein	3.61	56	125957	259.299	ug/l	100
14) Allyl chloride	4.32	41	561918	51.404	ug/l	95
15) Acrylonitrile	4.99	53	649063	262.481	ug/l	100
16) Acetone	3.81	43	441044	223.852	ug/l	95
17) Carbon Disulfide	4.05	76	969530	48.220	ug/l	99
18) Methyl Acetate	4.32	43	266621	51.520	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	873294	52.233	ug/l	99
20) Methylene Chloride	4.55	84	356125	48.618	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	336758	49.922	ug/l	93
22) Diisopropyl ether	5.95	45	1140058	54.060	ug/l	97
23) Vinyl Acetate	5.89	43	4125216	271.917	ug/l	96
24) 1,1-Dichloroethane	5.85	63	657243	50.821	ug/l	99
25) 2-Butanone	6.83	43	725490	249.653	ug/l	96
26) 2,2-Dichloropropane	6.82	77	426819	46.454	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	387104	51.600	ug/l	96
28) Bromochloromethane	7.19	49	313333	52.932	ug/l	82
29) Tetrahydrofuran	7.21	42	503433	260.146	ug/l	93
30) Chloroform	7.37	83	630784	50.302	ug/l	100
31) Cyclohexane	7.65	56	608064	51.389	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	527270	50.995	ug/l	97
36) 1,1-Dichloropropene	7.79	75	481603	49.569	ug/l	98
37) Ethyl Acetate	6.93	43	333021	48.004	ug/l	98
38) Carbon Tetrachloride	7.77	117	458660	45.391	ug/l	99

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39) Methylcyclohexane	9.08	83	558111	47.660	ug/l	95
40) Benzene	8.04	78	1479030	49.554	ug/l	100
41) Methacrylonitrile	7.17	41	183727	41.129	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	460742	49.861	ug/l	97
43) Isopropyl Acetate	8.16	43	584361	49.889	ug/l #	90
44) Trichloroethene	8.83	130	383526	48.469	ug/l	95
45) 1,2-Dichloropropane	9.12	63	395119	49.067	ug/l	98
46) Dibromomethane	9.21	93	230882	49.387	ug/l	93
47) Bromodichloromethane	9.40	83	483385	49.064	ug/l	100
48) Methyl methacrylate	9.20	41	280670	52.094	ug/l	94
49) 1,4-Dioxane	9.20	88	75228	1030.899	ug/l #	95
51) 4-Methyl-2-Pentanone	9.98	43	1575499	261.752	ug/l	96
52) Toluene	10.16	92	874425	49.754	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	487396	50.844	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	565498	50.040	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	320946	48.898	ug/l	99
56) Ethyl methacrylate	10.43	69	407009	47.398	ug/l	90
57) 1,3-Dichloropropane	10.71	76	558118	50.326	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	951848	238.236	ug/l	95
59) 2-Hexanone	10.75	43	1006494	257.107	ug/l	93
60) Dibromochloromethane	10.90	129	361912	49.614	ug/l	98
61) 1,2-Dibromoethane	11.01	107	310168	48.988	ug/l	99
64) Tetrachloroethene	10.63	164	371883	47.984	ug/l	96
65) Chlorobenzene	11.43	112	929053	48.097	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	345231	49.591	ug/l	99
67) Ethyl Benzene	11.51	91	1619554	50.014	ug/l	99
68) m/p-Xylenes	11.62	106	1239841	101.445	ug/l	97
69) o-Xylene	11.95	106	602400	50.163	ug/l	99
70) Styrene	11.96	104	969331	52.479	ug/l	99
71) Bromoform	12.13	173	236985	48.932	ug/l #	100
73) Isopropylbenzene	12.25	105	1568087	47.204	ug/l	99
74) N-amyl acetate	12.07	43	450218	51.710	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	385005	46.347	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	292060m	42.663	ug/l	
77) Bromobenzene	12.53	156	394917	46.824	ug/l	90
78) n-propylbenzene	12.59	91	1827870	48.383	ug/l	98
79) 2-Chlorotoluene	12.67	91	1082761	47.710	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1320836	48.568	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	101868	47.032	ug/l	92
82) 4-Chlorotoluene	12.77	91	1091525	48.664	ug/l	96
83) tert-Butylbenzene	12.99	119	1163608	48.378	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1342962	49.464	ug/l	99
85) sec-Butylbenzene	13.17	105	1575817	47.968	ug/l	98
86) p-Isopropyltoluene	13.29	119	1350708	48.635	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	699602	47.950	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	682567	48.221	ug/l	99
89) n-Butylbenzene	13.62	91	1160373	49.577	ug/l	99
90) Hexachloroethane	13.87	117	246176	45.743	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	681802	48.275	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57209	48.733	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	363339	46.486	ug/l	98
94) Hexachlorobutadiene	15.01	225	235662	46.192	ug/l	99
95) Naphthalene	15.13	128	759222	45.258	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	353116	47.029	ug/l	99

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

