

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053746.D
 Acq On : 13 Feb 2019 10:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/14/2019 10:39:02 AM

Quant Time: Feb 14 00:32:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	726527	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1029454	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	947760	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	496069	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	360366	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.59	113	346405	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	10.09	98	1285410	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.40	95	449505	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	388482	47.447	ug/l	100
3) Chloromethane	2.06	50	408226	47.329	ug/l	99
4) Vinyl Chloride	2.19	62	430744	51.445	ug/l	99
5) Bromomethane	2.57	94	290990	53.152	ug/l	99
6) Chloroethane	2.71	64	267848	55.979	ug/l	98
7) Trichlorofluoromethane	3.02	101	596076	52.498	ug/l	99
8) Diethyl Ether	3.41	74	208433	50.265	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	369666	52.643	ug/l	98
10) Methyl Iodide	3.96	142	523394	47.487	ug/l	100
11) Tert butyl alcohol	4.78	59	114061	264.428	ug/l	99
12) 1,1-Dichloroethene	3.74	96	331646	49.295	ug/l	98
13) Acrolein	3.61	56	56886	242.221	ug/l	99
14) Allyl chloride	4.33	41	521116	48.647	ug/l	99
15) Acrylonitrile	4.99	53	626773	269.158	ug/l	99
16) Acetone	3.81	43	598677	320.232	ug/l	100
17) Carbon Disulfide	4.06	76	933212	44.547	ug/l	100
18) Methyl Acetate	4.32	43	312593	56.459	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	908004	53.239	ug/l	99
20) Methylene Chloride	4.55	84	381234	48.606	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	356725	49.147	ug/l	97
22) Diisopropyl ether	5.95	45	1062535	53.532	ug/l	99
23) Vinyl Acetate	5.90	43	3574717	260.339	ug/l	98
24) 1,1-Dichloroethane	5.85	63	664063	50.160	ug/l	99
25) 2-Butanone	6.83	43	739350	277.291	ug/l	99
26) 2,2-Dichloropropane	6.82	77	511883	50.651	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	413704	51.258	ug/l	98
28) Bromochloromethane	7.19	49	287841	50.102	ug/l	96
29) Tetrahydrofuran	7.21	42	461032	269.273	ug/l	98
30) Chloroform	7.37	83	668394	50.930	ug/l	100
31) Cyclohexane	7.65	56	587032	47.617	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	567074	51.922	ug/l	98
36) 1,1-Dichloropropene	7.79	75	512422	55.218	ug/l	99
37) Ethyl Acetate	6.93	43	295053	56.929	ug/l	99
38) Carbon Tetrachloride	7.78	117	509378	54.488	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	608614	55.280	ug/l	98
40) Benzene	8.04	78	1518858	53.076	ug/l	99
41) Methacrylonitrile	7.17	41	179449	61.950	ug/l	98
42) 1,2-Dichloroethane	8.12	62	456399	53.713	ug/l	99
43) Isopropyl Acetate	8.16	43	532706	53.222	ug/l	99
44) Trichloroethene	8.83	130	434393	53.319	ug/l	99
45) 1,2-Dichloropropane	9.12	63	403086	55.071	ug/l	99
46) Dibromomethane	9.21	93	238799	54.122	ug/l	96
47) Bromodichloromethane	9.40	83	514182	56.048	ug/l	98
48) Methyl methacrylate	9.20	41	254496	53.266	ug/l	91
49) 1,4-Dioxane	9.20	88	76739	1104.216	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	1453492	295.513	ug/l	100
52) Toluene	10.16	92	936650	55.149	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	518092	56.398	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	603748	55.462	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	355040	58.013	ug/l	99
56) Ethyl methacrylate	10.43	69	419732	57.974	ug/l	98
57) 1,3-Dichloropropane	10.71	76	578975	55.354	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	994270	222.354	ug/l	98
59) 2-Hexanone	10.75	43	973534	291.560	ug/l	99
60) Dibromochloromethane	10.90	129	402173	58.274	ug/l	99
61) 1,2-Dibromoethane	11.01	107	334655	55.247	ug/l	100
64) Tetrachloroethene	10.63	164	430709	53.014	ug/l	98
65) Chlorobenzene	11.43	112	1123320	55.799	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	416197	59.197	ug/l	99
67) Ethyl Benzene	11.51	91	1871071	56.580	ug/l	99
68) m/p-Xylenes	11.62	106	1438834	113.999	ug/l	99
69) o-Xylene	11.95	106	709805	58.211	ug/l	98
70) Styrene	11.96	104	1167288	59.063	ug/l	100
71) Bromoform	12.13	173	293026	60.793	ug/l	99
73) Isopropylbenzene	12.25	105	1799498	51.601	ug/l	100
74) N-amyl acetate	12.07	43	443520	52.889	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	432661	51.841	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	355631m	55.814	ug/l	
77) Bromobenzene	12.53	156	490111	52.148	ug/l	98
78) n-propylbenzene	12.59	91	2149244	53.313	ug/l	100
79) 2-Chlorotoluene	12.68	91	1239781	51.836	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1568519	54.240	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115593	51.013	ug/l	98
82) 4-Chlorotoluene	12.77	91	1289751	52.552	ug/l	99
83) tert-Butylbenzene	12.99	119	1358574	53.155	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1602909	54.405	ug/l	100
85) sec-Butylbenzene	13.17	105	1985199	57.078	ug/l	99
86) p-Isopropyltoluene	13.29	119	1754225	57.670	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	909968	53.859	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	900415	53.876	ug/l	98
89) n-Butylbenzene	13.62	91	1508391	57.290	ug/l	100
90) Hexachloroethane	13.88	117	291597	58.117	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	878767	54.330	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	65241	54.850	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	502695	54.189	ug/l	99
94) Hexachlorobutadiene	15.01	225	326394	56.498	ug/l	100
95) Naphthalene	15.13	128	994967	45.809	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	466976	54.252	ug/l	100

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

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