

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052019\
 Data File : VN055686.D
 Acq On : 20 May 2019 20:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/21/2019 12:38:27 PM

Quant Time: May 21 05:28:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	349358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	512146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	456031	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	217594	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	170863	44.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.24%	
35) Dibromofluoromethane	7.59	113	157387	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.09	98	613886	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
62) 4-Bromofluorobenzene	12.40	95	211760	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	105974	39.425	ug/l	99
3) Chloromethane	2.06	50	140012	39.052	ug/l	99
4) Vinyl Chloride	2.18	62	158493	40.824	ug/l	98
5) Bromomethane	2.53	94	102423	41.396	ug/l	99
6) Chloroethane	2.68	64	91363	42.383	ug/l	98
7) Trichlorofluoromethane	3.01	101	208844	41.978	ug/l	98
8) Diethyl Ether	3.41	74	88359	44.211	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	130080	42.888	ug/l	99
10) Methyl Iodide	3.95	142	204095	46.676	ug/l	98
11) Tert butyl alcohol	4.77	59	164406	230.207	ug/l	99
12) 1,1-Dichloroethene	3.74	96	132300	41.466	ug/l	99
13) Acrolein	3.61	56	77706	213.508	ug/l	100
14) Allyl chloride	4.32	41	213294	41.410	ug/l	99
15) Acrylonitrile	4.99	53	365206	229.849	ug/l	99
16) Acetone	3.81	43	294527	188.453	ug/l	100
17) Carbon Disulfide	4.06	76	342398	38.604	ug/l	100
18) Methyl Acetate	4.32	43	151501	45.217	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	453500	42.965	ug/l	98
20) Methylene Chloride	4.55	84	151944	42.601	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	140511	41.341	ug/l	98
22) Diisopropyl ether	5.95	45	428215	41.956	ug/l	96
23) Vinyl Acetate	5.89	43	1847469	213.326	ug/l	98
24) 1,1-Dichloroethane	5.85	63	254398	42.510	ug/l	99
25) 2-Butanone	6.83	43	474878	217.313	ug/l	97
26) 2,2-Dichloropropane	6.82	77	198648	37.401	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	171478	43.327	ug/l	95
28) Bromochloromethane	7.19	49	114044	43.803	ug/l	93
29) Tetrahydrofuran	7.21	42	312290	215.710	ug/l	97
30) Chloroform	7.37	83	263875	42.955	ug/l	99
31) Cyclohexane	7.65	56	225413	39.687	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	237333	43.074	ug/l	98
36) 1,1-Dichloropropene	7.79	75	196224	42.974	ug/l	98
37) Ethyl Acetate	6.92	43	192239	46.656	ug/l	98
38) Carbon Tetrachloride	7.77	117	213832	43.824	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	245499	44.601	ug/l	98
40) Benzene	8.04	78	616552	45.908	ug/l	99
41) Methacrylonitrile	7.18	41	87038m	49.409	ug/l	
42) 1,2-Dichloroethane	8.12	62	194272	44.671	ug/l	98
43) Isopropyl Acetate	8.16	43	353809	49.364	ug/l	98
44) Trichloroethene	8.83	130	184094	48.578	ug/l	95
45) 1,2-Dichloropropane	9.12	63	161172	45.554	ug/l	99
46) Dibromomethane	9.21	93	111537	48.166	ug/l	93
47) Bromodichloromethane	9.40	83	222075	45.758	ug/l	99
48) Methyl methacrylate	9.20	41	151780	47.379	ug/l	96
49) 1,4-Dioxane	9.20	88	72202	1134.238	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	981037	233.346	ug/l	98
52) Toluene	10.16	92	406468	48.253	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	240540	46.049	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	265229	46.349	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	168530	48.597	ug/l	100
56) Ethyl methacrylate	10.43	69	255094	47.122	ug/l	95
57) 1,3-Dichloropropane	10.71	76	262810	47.849	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	510320	221.860	ug/l	97
59) 2-Hexanone	10.75	43	697093	235.506	ug/l	97
60) Dibromochloromethane	10.90	129	203666	51.818	ug/l	99
61) 1,2-Dibromoethane	11.00	107	177324	51.104	ug/l	100
64) Tetrachloroethene	10.63	164	186017	51.716	ug/l	96
65) Chlorobenzene	11.43	112	443603	48.094	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	180615	48.675	ug/l	99
67) Ethyl Benzene	11.51	91	766910	46.674	ug/l	98
68) m/p-Xylenes	11.62	106	595009	95.890	ug/l	96
69) o-Xylene	11.95	106	296372	48.833	ug/l	95
70) Styrene	11.96	104	493861	48.940	ug/l	98
71) Bromoform	12.13	173	168767	53.669	ug/l #	99
73) Isopropylbenzene	12.25	105	772181	50.599	ug/l	98
74) N-amyl acetate	12.07	43	270719	44.308	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	232204	48.525	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187940m	42.328	ug/l	
77) Bromobenzene	12.53	156	217972	48.777	ug/l	89
78) n-propylbenzene	12.59	91	822644	42.573	ug/l	98
79) 2-Chlorotoluene	12.67	91	501031	48.396	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	650568	49.868	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	72462	41.952	ug/l	98
82) 4-Chlorotoluene	12.77	91	489219	42.970	ug/l	97
83) tert-Butylbenzene	12.99	119	578355	52.356	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	650990	49.981	ug/l	99
85) sec-Butylbenzene	13.17	105	729613	50.162	ug/l	98
86) p-Isopropyltoluene	13.29	119	679285	50.159	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	350582	47.448	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	336126	47.644	ug/l	98
89) n-Butylbenzene	13.61	91	519118	43.477	ug/l	98
90) Hexachloroethane	13.87	117	130937	50.626	ug/l	84
91) 1,2-Dichlorobenzene	13.65	146	347704	47.207	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	43747	44.301	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198214	52.869	ug/l	99
94) Hexachlorobutadiene	15.01	225	136814	61.109	ug/l	99
95) Naphthalene	15.13	128	540772	47.871	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	204224	52.097	ug/l	99

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

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