

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053293.D
 Acq On : 7 Jan 2019 9:57
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/8/2019 9:24:53 AM

Quant Time: Jan 08 01:29:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	936987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1378465	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1254060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	622255	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	448938	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	
35) Dibromofluoromethane	7.59	113	393235	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
50) Toluene-d8	10.09	98	1659807	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	592116	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	417579	50.551	ug/l	99
3) Chloromethane	2.06	50	543564	47.120	ug/l	100
4) Vinyl Chloride	2.19	62	534987	48.590	ug/l	99
5) Bromomethane	2.57	94	356301	49.523	ug/l	98
6) Chloroethane	2.71	64	310337	46.697	ug/l	98
7) Trichlorofluoromethane	3.02	101	690315	48.405	ug/l	99
8) Diethyl Ether	3.41	74	262042	46.879	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	442876	48.999	ug/l	99
10) Methyl Iodide	3.96	142	640710	50.571	ug/l	100
11) Tert butyl alcohol	4.77	59	115803	197.505	ug/l	99
12) 1,1-Dichloroethene	3.74	96	419138	47.941	ug/l	99
13) Acrolein	3.61	56	150405	204.019	ug/l	99
14) Allyl chloride	4.33	41	706050	50.106	ug/l	96
15) Acrylonitrile	4.98	53	771695	220.475	ug/l	99
16) Acetone	3.81	43	566670	241.461	ug/l	100
17) Carbon Disulfide	4.06	76	1312044	48.677	ug/l	99
18) Methyl Acetate	4.32	43	356782	40.440	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1144143	46.629	ug/l	100
20) Methylene Chloride	4.55	84	477058	45.565	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	455451	48.518	ug/l	99
22) Diisopropyl ether	5.95	45	1446748	47.659	ug/l	96
23) Vinyl Acetate	5.89	43	4669642	244.478	ug/l	100
24) 1,1-Dichloroethane	5.85	63	830626	47.443	ug/l	99
25) 2-Butanone	6.83	43	884327	221.121	ug/l	100
26) 2,2-Dichloropropane	6.82	77	652616	50.993	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	516720	48.202	ug/l	98
28) Bromochloromethane	7.19	49	365227	48.953	ug/l	100
29) Tetrahydrofuran	7.21	42	567555	215.051	ug/l	99
30) Chloroform	7.37	83	814858	47.286	ug/l	99
31) Cyclohexane	7.65	56	808773	48.606	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	684447	47.664	ug/l	100
36) 1,1-Dichloropropene	7.79	75	652063	50.670	ug/l	99
37) Ethyl Acetate	6.92	43	380558	45.400	ug/l	100
38) Carbon Tetrachloride	7.77	117	609193	51.287	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	798911	53.587	ug/l	100
40) Benzene	8.04	78	1953904	49.706	ug/l	99
41) Methacrylonitrile	7.18	41	226168	43.460	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	568240	48.733	ug/l	99
43) Isopropyl Acetate	8.16	43	693905	42.081	ug/l	98
44) Trichloroethene	8.83	130	537177	49.767	ug/l	99
45) 1,2-Dichloropropane	9.12	63	512577	49.716	ug/l	99
46) Dibromomethane	9.21	93	293996	48.906	ug/l	100
47) Bromodichloromethane	9.40	83	626222	49.988	ug/l	100
48) Methyl methacrylate	9.20	41	348767	46.554	ug/l	99
49) 1,4-Dioxane	9.20	88	64434	807.264	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1891945	228.151	ug/l	100
52) Toluene	10.16	92	1205441	49.984	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	657497	51.305	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	768006	51.861	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	419776	47.339	ug/l	99
56) Ethyl methacrylate	10.43	69	559870	48.586	ug/l	99
57) 1,3-Dichloropropane	10.71	76	725114	48.898	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1501588	241.033	ug/l	100
59) 2-Hexanone	10.75	43	1342738	236.326	ug/l	100
60) Dibromochloromethane	10.90	129	483415	50.544	ug/l	99
61) 1,2-Dibromoethane	11.00	107	428500	48.968	ug/l	99
64) Tetrachloroethene	10.63	164	574892	48.707	ug/l	99
65) Chlorobenzene	11.43	112	1344176	49.341	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	472807	49.584	ug/l	99
67) Ethyl Benzene	11.51	91	2347079	50.702	ug/l	99
68) m/p-Xylenes	11.62	106	1801785	103.510	ug/l	100
69) o-Xylene	11.95	106	874869	51.337	ug/l	99
70) Styrene	11.96	104	1442329	52.004	ug/l	99
71) Bromoform	12.13	173	337509	50.111	ug/l #	100
73) Isopropylbenzene	12.25	105	2313443	49.936	ug/l	100
74) N-amyl acetate	12.07	43	633096	45.763	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	470844	44.181	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	409269m	45.094	ug/l	
77) Bromobenzene	12.53	156	598297	48.387	ug/l	99
78) n-propylbenzene	12.59	91	2699216	51.507	ug/l	99
79) 2-Chlorotoluene	12.67	91	1567791	49.443	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1905187	51.053	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158804	51.480	ug/l	97
82) 4-Chlorotoluene	12.77	91	1622935	49.914	ug/l	100
83) tert-Butylbenzene	12.99	119	1650764	50.418	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1952293	51.352	ug/l	100
85) sec-Butylbenzene	13.17	105	2239362	51.862	ug/l	100
86) p-Isopropyltoluene	13.29	119	1990250	53.236	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1079369	49.570	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1069231	49.501	ug/l	99
89) n-Butylbenzene	13.62	91	1683074	53.697	ug/l	100
90) Hexachloroethane	13.87	117	317818	53.039	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1005471	49.297	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60516	46.816	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	336280	52.436	ug/l	99
94) Hexachlorobutadiene	15.01	225	283457	54.038	ug/l	99
95) Naphthalene	15.13	128	531120	48.547	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	203102	48.372	ug/l	99

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

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