

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN054014.D
 Acq On : 28 Feb 2019 19:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/1/2019 4:10:30 PM

Quant Time: Mar 01 05:46:39 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	621791	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1053545	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	927462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	427311	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	385488	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	342590	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
50) Toluene-d8	10.09	98	1272236	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.40	95	426148	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	280221	48.968	ug/l	99
3) Chloromethane	2.06	50	399033	50.271	ug/l	98
4) Vinyl Chloride	2.19	62	397311	49.957	ug/l	99
5) Bromomethane	2.57	94	239917	45.550	ug/l	100
6) Chloroethane	2.71	64	240839	48.692	ug/l	100
7) Trichlorofluoromethane	3.02	101	494480	48.668	ug/l	100
8) Diethyl Ether	3.41	74	194410	51.072	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	312674	48.726	ug/l	94
10) Methyl Iodide	3.95	142	462048	54.798	ug/l	98
11) Tert butyl alcohol	4.77	59	108745	235.346	ug/l #	87
12) 1,1-Dichloroethene	3.74	96	303104	49.381	ug/l	94
13) Acrolein	3.61	56	110578	231.144	ug/l	96
14) Allyl chloride	4.33	41	569821	52.930	ug/l	97
15) Acrylonitrile	4.99	53	631927	259.486	ug/l	99
16) Acetone	3.81	43	482873	250.282	ug/l	94
17) Carbon Disulfide	4.06	76	915304	46.224	ug/l	99
18) Methyl Acetate	4.32	43	273414	53.646	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	869564	52.810	ug/l	98
20) Methylene Chloride	4.55	84	356094	49.362	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	329676	49.625	ug/l	93
22) Diisopropyl ether	5.95	45	1140701	54.923	ug/l	97
23) Vinyl Acetate	5.90	43	4030308	269.751	ug/l	95
24) 1,1-Dichloroethane	5.85	63	653078	51.276	ug/l	98
25) 2-Butanone	6.83	43	720967	251.916	ug/l	94
26) 2,2-Dichloropropane	6.83	77	452329	49.988	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	381602	51.650	ug/l	94
28) Bromochloromethane	7.19	49	304547	52.240	ug/l	81
29) Tetrahydrofuran	7.21	42	485623	254.806	ug/l	91
30) Chloroform	7.37	83	635594	51.465	ug/l	99
31) Cyclohexane	7.65	56	607916	52.174	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	514932	50.568	ug/l	97
36) 1,1-Dichloropropene	7.79	75	483995	49.399	ug/l	97
37) Ethyl Acetate	6.93	43	328253	46.921	ug/l	96
38) Carbon Tetrachloride	7.77	117	455685	44.720	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	564326	47.788	ug/l	94
40) Benzene	8.04	78	1455004	48.341	ug/l	100
41) Methacrylonitrile	7.17	41	178995	39.735	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	456339	48.972	ug/l	98
43) Isopropyl Acetate	8.16	43	563512	47.707	ug/l #	90
44) Trichloroethene	8.83	130	380293	47.659	ug/l	94
45) 1,2-Dichloropropane	9.12	63	396506	48.828	ug/l	100
46) Dibromomethane	9.21	93	224679	47.658	ug/l	93
47) Bromodichloromethane	9.40	83	482305	48.545	ug/l	99
48) Methyl methacrylate	9.20	41	275340	50.678	ug/l	94
49) 1,4-Dioxane	9.20	88	67423	916.221	ug/l #	90
51) 4-Methyl-2-Pentanone	9.98	43	1550932	255.517	ug/l	95
52) Toluene	10.16	92	865396	48.829	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	490142	50.703	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	571448	50.144	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	317383	47.951	ug/l	99
56) Ethyl methacrylate	10.43	69	407620	47.086	ug/l	90
57) 1,3-Dichloropropane	10.71	76	550567	49.231	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	542307	140.523	ug/l	95
59) 2-Hexanone	10.75	43	972622	246.379	ug/l	94
60) Dibromochloromethane	10.90	129	346201	47.064	ug/l	99
61) 1,2-Dibromoethane	11.01	107	305948	47.917	ug/l	99
64) Tetrachloroethene	10.63	164	370659	47.196	ug/l	97
65) Chlorobenzene	11.43	112	927289	47.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	341494	48.408	ug/l	99
67) Ethyl Benzene	11.51	91	1618285	49.317	ug/l	99
68) m/p-Xylenes	11.62	106	1225755	98.973	ug/l	96
69) o-Xylene	11.95	106	590627	48.535	ug/l	96
70) Styrene	11.96	104	966505	51.637	ug/l	98
71) Bromoform	12.13	173	229683	46.800	ug/l #	99
73) Isopropylbenzene	12.25	105	1573821	47.314	ug/l	98
74) N-amyl acetate	12.07	43	446152	51.175	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	377085	45.333	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	317761m	46.356	ug/l	
77) Bromobenzene	12.53	156	405725	48.042	ug/l	92
78) n-propylbenzene	12.59	91	1857002	49.089	ug/l	97
79) 2-Chlorotoluene	12.68	91	1078707	47.468	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1322452	48.563	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	102587	47.301	ug/l	93
82) 4-Chlorotoluene	12.77	91	1092558	48.645	ug/l	97
83) tert-Butylbenzene	12.99	119	1166866	48.449	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1353199	49.775	ug/l	98
85) sec-Butylbenzene	13.17	105	1599901	48.636	ug/l	98
86) p-Isopropyltoluene	13.29	119	1361662	48.965	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	698641	47.821	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	681165	48.058	ug/l	99
89) n-Butylbenzene	13.62	91	1192819	50.896	ug/l	98
90) Hexachloroethane	13.87	117	246655	45.771	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	684127	48.375	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56381	47.964	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	362874	46.370	ug/l	98
94) Hexachlorobutadiene	15.01	225	240966	47.169	ug/l	98
95) Naphthalene	15.13	128	750680	44.730	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	348795	46.413	ug/l	98

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

