

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080219\
 Data File : VN057051.D
 Acq On : 2 Aug 2019 8:54
 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
 8/6/2019 2:16:39 PM

Quant Time: Aug 03 04:31:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	509518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	720553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	645499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	281029	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	250549	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
35) Dibromofluoromethane	7.58	113	233948	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
50) Toluene-d8	10.08	98	881067	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	295203	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	264776	51.404	ug/l	97
3) Chloromethane	2.05	50	274729	44.541	ug/l	99
4) Vinyl Chloride	2.18	62	263134	45.497	ug/l	100
5) Bromomethane	2.54	94	155593	43.274	ug/l	100
6) Chloroethane	2.68	64	143033	44.863	ug/l	98
7) Trichlorofluoromethane	3.00	101	378142	49.948	ug/l	98
8) Diethyl Ether	3.40	74	135966	47.987	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	231707	49.365	ug/l	99
10) Methyl Iodide	3.94	142	319688	50.971	ug/l	99
11) Tert butyl alcohol	4.77	59	156969	222.655	ug/l	100
12) 1,1-Dichloroethene	3.72	96	217228	48.503	ug/l	99
13) Acrolein	3.59	56	86242	238.357	ug/l	100
14) Allyl chloride	4.30	41	344665	47.310	ug/l	98
15) Acrylonitrile	4.97	53	491211	237.597	ug/l	99
16) Acetone	3.80	43	522325	276.434	ug/l	99
17) Carbon Disulfide	4.04	76	526186	44.215	ug/l	98
18) Methyl Acetate	4.31	43	268770	44.589	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	667953	50.019	ug/l	99
20) Methylene Chloride	4.53	84	254353	46.732	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	231926	48.760	ug/l	97
22) Diisopropyl ether	5.93	45	725647	48.343	ug/l	97
23) Vinyl Acetate	5.88	43	2512734	241.607	ug/l	99
24) 1,1-Dichloroethane	5.83	63	430741	48.637	ug/l	99
25) 2-Butanone	6.82	43	656665	245.086	ug/l	96
26) 2,2-Dichloropropane	6.81	77	336781	50.012	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	272205	48.386	ug/l	99
28) Bromochloromethane	7.18	49	177268	42.584	ug/l	99
29) Tetrahydrofuran	7.20	42	394956	225.932	ug/l	99
30) Chloroform	7.36	83	431531	47.657	ug/l	100
31) Cyclohexane	7.64	56	384315	44.844	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	363993	50.381	ug/l	99
36) 1,1-Dichloropropene	7.78	75	319572	50.403	ug/l	100
37) Ethyl Acetate	6.91	43	241167	47.492	ug/l	98
38) Carbon Tetrachloride	7.76	117	318205	53.057	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	405380	50.025	ug/l	99
40) Benzene	8.03	78	983023	50.338	ug/l	100
41) Methacrylonitrile	7.16	41	131826	56.155	ug/l	86
42) 1,2-Dichloroethane	8.11	62	310772	50.776	ug/l	98
43) Isopropyl Acetate	8.15	43	402609	47.969	ug/l #	92
44) Trichloroethene	8.82	130	278541	51.772	ug/l	99
45) 1,2-Dichloropropane	9.11	63	263041	50.358	ug/l	98
46) Dibromomethane	9.20	93	163544	51.917	ug/l	98
47) Bromodichloromethane	9.39	83	326764	52.759	ug/l	100
48) Methyl methacrylate	9.19	41	200015	49.360	ug/l	98
49) 1,4-Dioxane	9.19	88	85368	1022.281	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1212627	243.162	ug/l	100
52) Toluene	10.15	92	600678	51.196	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	338615	52.686	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	395402	52.912	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	236700	50.305	ug/l	98
56) Ethyl methacrylate	10.42	69	329866	46.548	ug/l	99
57) 1,3-Dichloropropane	10.70	76	395261	50.659	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	572388	203.000	ug/l	98
59) 2-Hexanone	10.74	43	893489	232.828	ug/l	100
60) Dibromochloromethane	10.90	129	262676	54.490	ug/l	98
61) 1,2-Dibromoethane	11.00	107	242500	52.811	ug/l	100
64) Tetrachloroethene	10.62	164	293720	52.803	ug/l	99
65) Chlorobenzene	11.43	112	671392	51.033	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	252766	51.046	ug/l	99
67) Ethyl Benzene	11.50	91	1166935	51.321	ug/l	100
68) m/p-Xylenes	11.62	106	882880	105.210	ug/l	100
69) o-Xylene	11.94	106	427754	52.103	ug/l	99
70) Styrene	11.96	104	717039	49.435	ug/l	99
71) Bromoform	12.12	173	185117	53.546	ug/l	98
73) Isopropylbenzene	12.24	105	1161673	47.830	ug/l	100
74) N-amyl acetate	12.07	43	324700	46.042	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	296174	48.150	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	261935m	45.895	ug/l	
77) Bromobenzene	12.52	156	302604	47.737	ug/l	98
78) n-propylbenzene	12.59	91	1277461	49.260	ug/l	99
79) 2-Chlorotoluene	12.67	91	753308	47.175	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	977898	49.057	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87734	49.391	ug/l	99
82) 4-Chlorotoluene	12.77	91	741500	49.620	ug/l	99
83) tert-Butylbenzene	12.99	119	856661	48.546	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	953033	49.688	ug/l	99
85) sec-Butylbenzene	13.17	105	1110561	48.791	ug/l	99
86) p-Isopropyltoluene	13.28	119	1022233	50.585	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	484497	50.247	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	468495	50.471	ug/l	100
89) n-Butylbenzene	13.61	91	803788	51.609	ug/l	99
90) Hexachloroethane	13.87	117	173044	49.730	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	474968	50.050	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47312	48.977	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212873	43.836	ug/l	99
94) Hexachlorobutadiene	15.00	225	187345	56.979	ug/l	98
95) Naphthalene	15.12	128	510391	43.265	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	234222	47.454	ug/l	99

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

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