

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053971.D
 Acq On : 27 Feb 2019 16:12
 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
 2/28/2019 2:55:27 PM

Quant Time: Feb 28 07:27:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	680625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1061785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	938318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	445772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	361794	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
35) Dibromofluoromethane	7.59	113	323290	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	10.09	98	1219394	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	419794	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	310213	49.524	ug/l	99
3) Chloromethane	2.06	50	424018	48.801	ug/l	100
4) Vinyl Chloride	2.19	62	418956	48.125	ug/l	100
5) Bromomethane	2.57	94	260313	45.150	ug/l	100
6) Chloroethane	2.71	64	253723	46.863	ug/l	99
7) Trichlorofluoromethane	3.02	101	535767	48.174	ug/l	98
8) Diethyl Ether	3.41	74	201850	48.443	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	345548	49.194	ug/l	95
10) Methyl Iodide	3.95	142	473447	51.296	ug/l	97
11) Tert butyl alcohol	4.77	59	114384	226.151	ug/l	99
12) 1,1-Dichloroethene	3.74	96	319182	47.506	ug/l	92
13) Acrolein	3.61	56	113401	216.555	ug/l	100
14) Allyl chloride	4.32	41	597640	50.715	ug/l	96
15) Acrylonitrile	4.98	53	661005	247.963	ug/l	99
16) Acetone	3.81	43	586045	278.891	ug/l	96
17) Carbon Disulfide	4.05	76	989776	45.664	ug/l	98
18) Methyl Acetate	4.32	43	273904	49.097	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	893909	49.596	ug/l	98
20) Methylene Chloride	4.55	84	371669	47.068	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	350242	48.163	ug/l	92
22) Diisopropyl ether	5.95	45	1178007	51.816	ug/l	95
23) Vinyl Acetate	5.89	43	4216667	257.828	ug/l	95
24) 1,1-Dichloroethane	5.85	63	683604	49.034	ug/l	99
25) 2-Butanone	6.83	43	794079	253.478	ug/l	96
26) 2,2-Dichloropropane	6.82	77	505811	51.067	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	395328	48.882	ug/l	93
28) Bromochloromethane	7.19	49	312793	49.016	ug/l	81
29) Tetrahydrofuran	7.21	42	508737	243.860	ug/l	92
30) Chloroform	7.37	83	650765	48.139	ug/l	100
31) Cyclohexane	7.65	56	654395	51.301	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	544320	48.834	ug/l	97
36) 1,1-Dichloropropene	7.79	75	512143	51.867	ug/l	97
37) Ethyl Acetate	6.92	43	339737	48.186	ug/l	97
38) Carbon Tetrachloride	7.77	117	481868	46.922	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	636908	53.515	ug/l	95
40) Benzene	8.04	78	1534648	50.592	ug/l	99
41) Methacrylonitrile	7.17	41	187591	41.320	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	473949	50.467	ug/l	97
43) Isopropyl Acetate	8.16	43	588221	49.412	ug/l #	90
44) Trichloroethene	8.83	130	399250	49.646	ug/l	95
45) 1,2-Dichloropropane	9.12	63	416225	50.859	ug/l	99
46) Dibromomethane	9.21	93	235616	49.590	ug/l	92
47) Bromodichloromethane	9.40	83	505925	50.527	ug/l	99
48) Methyl methacrylate	9.20	41	284311	51.923	ug/l	93
49) 1,4-Dioxane	9.20	88	72991	984.187	ug/l #	90
51) 4-Methyl-2-Pentanone	9.98	43	1618161	264.524	ug/l	95
52) Toluene	10.15	92	921069	51.567	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	512056	52.559	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	600760	52.307	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	327773	49.137	ug/l	98
56) Ethyl methacrylate	10.43	69	418468	47.928	ug/l	90
57) 1,3-Dichloropropane	10.71	76	572981	50.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	983710	242.029	ug/l	95
59) 2-Hexanone	10.75	43	1063792	267.382	ug/l	94
60) Dibromochloromethane	10.90	129	367220	49.534	ug/l	99
61) 1,2-Dibromoethane	11.00	107	316525	49.189	ug/l	99
64) Tetrachloroethene	10.63	164	392675	49.421	ug/l	97
65) Chlorobenzene	11.43	112	982241	49.601	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	352847	49.439	ug/l	99
67) Ethyl Benzene	11.51	91	1725534	51.977	ug/l	98
68) m/p-Xylenes	11.62	106	1313316	104.816	ug/l	96
69) o-Xylene	11.95	106	629236	51.110	ug/l	97
70) Styrene	11.96	104	1037916	54.811	ug/l	99
71) Bromoform	12.13	173	244605	49.264	ug/l #	100
73) Isopropylbenzene	12.25	105	1669881	48.123	ug/l	99
74) N-amyl acetate	12.07	43	469455	51.618	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	393867	45.390	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	353015m	49.366	ug/l	
77) Bromobenzene	12.53	156	414926	47.096	ug/l	90
78) n-propylbenzene	12.59	91	1998424	50.640	ug/l	97
79) 2-Chlorotoluene	12.67	91	1162297	49.029	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1444121	50.835	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	106102	46.896	ug/l	91
82) 4-Chlorotoluene	12.77	91	1182252	50.459	ug/l	97
83) tert-Butylbenzene	12.99	119	1221371	48.611	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1460079	51.482	ug/l	98
85) sec-Butylbenzene	13.17	105	1721752	50.173	ug/l	99
86) p-Isopropyltoluene	13.29	119	1491065	51.397	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	750803	49.263	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	743100	50.256	ug/l	99
89) n-Butylbenzene	13.61	91	1349876	55.212	ug/l	99
90) Hexachloroethane	13.87	117	261210	46.465	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	723942	49.070	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57960	47.266	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	393543	48.119	ug/l	98
94) Hexachlorobutadiene	15.01	225	264600	49.650	ug/l	99
95) Naphthalene	15.13	128	775046	44.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	376648	47.989	ug/l	98

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

