

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053692.D
 Acq On : 8 Feb 2019 19:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2019 9:49:48 AM

Quant Time: Feb 09 03:41:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	761011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1183234	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1026072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	484835	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	396012	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
35) Dibromofluoromethane	7.59	113	388020	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.09	98	1431151	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
62) 4-Bromofluorobenzene	12.40	95	486892	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	387381	45.185	ug/l	100
3) Chloromethane	2.06	50	434431	48.085	ug/l	99
4) Vinyl Chloride	2.19	62	430078	49.038	ug/l	99
5) Bromomethane	2.57	94	295581	51.544	ug/l	97
6) Chloroethane	2.71	64	274448	54.760	ug/l	100
7) Trichlorofluoromethane	3.02	101	581325	48.878	ug/l	100
8) Diethyl Ether	3.41	74	220894	50.856	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	354262	48.163	ug/l	99
10) Methyl Iodide	3.96	142	561020	48.595	ug/l	99
11) Tert butyl alcohol	4.77	59	121195	268.236	ug/l	99
12) 1,1-Dichloroethene	3.74	96	346425	49.158	ug/l	98
13) Acrolein	3.61	56	86995	353.641	ug/l	98
14) Allyl chloride	4.33	41	558542	49.778	ug/l	98
15) Acrylonitrile	4.99	53	654489	268.325	ug/l	99
16) Acetone	3.81	43	445814	227.660	ug/l	98
17) Carbon Disulfide	4.06	76	951930	43.381	ug/l	100
18) Methyl Acetate	4.32	43	320292	55.229	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	949922	53.173	ug/l	99
20) Methylene Chloride	4.55	84	395715	48.166	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	368172	48.425	ug/l	98
22) Diisopropyl ether	5.95	45	1097535	52.789	ug/l	99
23) Vinyl Acetate	5.90	43	3752300	260.889	ug/l	98
24) 1,1-Dichloroethane	5.85	63	689781	49.742	ug/l	100
25) 2-Butanone	6.83	43	699329	250.396	ug/l	98
26) 2,2-Dichloropropane	6.83	77	492389	46.514	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	429716	50.829	ug/l	97
28) Bromochloromethane	7.20	49	294726	48.975	ug/l	97
29) Tetrahydrofuran	7.21	42	475729	265.267	ug/l	98
30) Chloroform	7.37	83	681046	49.543	ug/l	99
31) Cyclohexane	7.66	56	610028	47.239	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	568636	49.706	ug/l	99
36) 1,1-Dichloropropene	7.79	75	518710	48.632	ug/l	99
37) Ethyl Acetate	6.93	43	313756	52.670	ug/l	99
38) Carbon Tetrachloride	7.77	117	503074	46.820	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	598953	47.332	ug/l	98
40) Benzene	8.04	78	1583712	48.150	ug/l	100
41) Methacrylonitrile	7.17	41	169201	50.820	ug/l	93
42) 1,2-Dichloroethane	8.12	62	461865	47.292	ug/l	99
43) Isopropyl Acetate	8.16	43	574842	49.967	ug/l	99
44) Trichloroethene	8.84	130	441838	47.184	ug/l	99
45) 1,2-Dichloropropane	9.12	63	420169	49.944	ug/l	100
46) Dibromomethane	9.21	93	246440	48.594	ug/l	98
47) Bromodichloromethane	9.40	83	512787	48.631	ug/l	98
48) Methyl methacrylate	9.20	41	266504	48.530	ug/l	92
49) 1,4-Dioxane	9.20	88	77789	978.467	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1498568	265.080	ug/l	99
52) Toluene	10.16	92	957466	49.048	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	524160	49.643	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	621669	49.687	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	356029	50.614	ug/l	98
56) Ethyl methacrylate	10.43	69	439766	52.847	ug/l	99
57) 1,3-Dichloropropane	10.71	76	599841	49.896	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1004769	196.465	ug/l	99
59) 2-Hexanone	10.75	43	947238	246.815	ug/l	98
60) Dibromochloromethane	10.90	129	395764	49.893	ug/l	100
61) 1,2-Dibromoethane	11.01	107	338345	48.597	ug/l	99
64) Tetrachloroethene	10.63	164	406128	46.174	ug/l	99
65) Chlorobenzene	11.43	112	1048530	48.109	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	384103	50.463	ug/l	99
67) Ethyl Benzene	11.51	91	1769789	49.432	ug/l	100
68) m/p-Xylenes	11.62	106	1366273	99.988	ug/l	99
69) o-Xylene	11.95	106	668406	50.633	ug/l	99
70) Styrene	11.96	104	1089174	50.904	ug/l	100
71) Bromoform	12.13	173	271032	51.938	ug/l #	99
73) Isopropylbenzene	12.25	105	1737383	50.975	ug/l	100
74) N-amyl acetate	12.07	43	441197	53.831	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	411049	50.392	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	309365m	49.678	ug/l	
77) Bromobenzene	12.53	156	456519	49.699	ug/l	99
78) n-propylbenzene	12.59	91	1997153	50.688	ug/l	100
79) 2-Chlorotoluene	12.68	91	1180208	50.489	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1477305	52.269	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	112022	50.582	ug/l	98
82) 4-Chlorotoluene	12.77	91	1205489	50.257	ug/l	100
83) tert-Butylbenzene	12.99	119	1303731	52.192	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1505688	52.290	ug/l	99
85) sec-Butylbenzene	13.17	105	1760632	51.794	ug/l	99
86) p-Isopropyltoluene	13.29	119	1533860	51.594	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	806699	48.853	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	796390	48.756	ug/l	99
89) n-Butylbenzene	13.62	91	1307542	50.812	ug/l	100
90) Hexachloroethane	13.88	117	257190	52.447	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	786554	49.756	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57458	49.426	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	442979	48.858	ug/l	100
94) Hexachlorobutadiene	15.01	225	267383	47.355	ug/l	99
95) Naphthalene	15.13	128	955850	45.058	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	417083	49.578	ug/l	100

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

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