

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010219\
 Data File : VN053247.D
 Acq On : 2 Jan 2019 17:07
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/3/2019 9:55:48 AM

Quant Time: Jan 03 02:59:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	862141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1279859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1157508	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	489326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	431684	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
35) Dibromofluoromethane	7.59	113	378274	64.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	129.40%	
50) Toluene-d8	10.09	98	1600655	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	561809	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	408372	46.802	ug/l	99
3) Chloromethane	2.06	50	482935	45.674	ug/l	99
4) Vinyl Chloride	2.19	62	497975	46.503	ug/l	100
5) Bromomethane	2.56	94	354664	47.804	ug/l	98
6) Chloroethane	2.71	64	305334	48.144	ug/l	98
7) Trichlorofluoromethane	3.02	101	686782	51.483	ug/l	98
8) Diethyl Ether	3.41	74	254922	50.654	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	456141	53.629	ug/l	98
10) Methyl Iodide	3.96	142	597573	50.029	ug/l	99
11) Tert butyl alcohol	4.77	59	105361	197.366	ug/l	98
12) 1,1-Dichloroethene	3.74	96	406292	49.443	ug/l	98
13) Acrolein	3.60	56	124664	257.543	ug/l	100
14) Allyl chloride	4.32	41	647540	50.874	ug/l	97
15) Acrylonitrile	4.98	53	744086	250.895	ug/l	99
16) Acetone	3.81	43	506915	295.504	ug/l	95
17) Carbon Disulfide	4.06	76	1067622	39.839	ug/l	100
18) Methyl Acetate	4.32	43	428910	54.988	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1124267	51.126	ug/l	100
20) Methylene Chloride	4.55	84	477084	50.985	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	432805	49.022	ug/l	100
22) Diisopropyl ether	5.95	45	1487849	54.763	ug/l	98
23) Vinyl Acetate	5.89	43	4149028	265.573	ug/l	99
24) 1,1-Dichloroethane	5.85	63	853632	52.874	ug/l	100
25) 2-Butanone	6.83	43	772784	268.430	ug/l	97
26) 2,2-Dichloropropane	6.82	77	639915	51.924	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	520346	52.060	ug/l	100
28) Bromochloromethane	7.19	49	372888	53.302	ug/l	96
29) Tetrahydrofuran	7.21	42	521544	242.560	ug/l	98
30) Chloroform	7.37	83	844235	53.232	ug/l	99
31) Cyclohexane	7.65	56	766921	50.664	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	702685	52.011	ug/l	99
36) 1,1-Dichloropropene	7.79	75	642201	52.278	ug/l	100
37) Ethyl Acetate	6.92	43	354849	51.744	ug/l	99
38) Carbon Tetrachloride	7.77	117	607657	53.967	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	752743	50.441	ug/l	98
40) Benzene	8.04	78	1942110	53.150	ug/l	99
41) Methacrylonitrile	7.17	41	221086	55.797	ug/l	92
42) 1,2-Dichloroethane	8.12	62	570191	52.822	ug/l	99
43) Isopropyl Acetate	8.16	43	660138	49.737	ug/l #	91
44) Trichloroethene	8.83	130	531811	50.319	ug/l	98
45) 1,2-Dichloropropane	9.12	63	524923	55.153	ug/l	100
46) Dibromomethane	9.21	93	290355	52.369	ug/l	99
47) Bromodichloromethane	9.40	83	646918	54.891	ug/l	100
48) Methyl methacrylate	9.19	41	335168	50.367	ug/l	98
49) 1,4-Dioxane	9.19	88	63925	759.407	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1735940	261.389	ug/l	99
52) Toluene	10.15	92	1207249	53.304	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	653587	52.738	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	770654	54.176	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	425207	53.815	ug/l	99
56) Ethyl methacrylate	10.43	69	545917	52.200	ug/l	97
57) 1,3-Dichloropropane	10.71	76	727652	53.704	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1466016	255.338	ug/l	99
59) 2-Hexanone	10.75	43	1150228	255.986	ug/l	99
60) Dibromochloromethane	10.90	129	485252	53.652	ug/l	100
61) 1,2-Dibromoethane	11.00	107	413352	51.510	ug/l	99
64) Tetrachloroethene	10.63	164	552800	44.089	ug/l	99
65) Chlorobenzene	11.43	112	1368780	53.346	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	484749	54.327	ug/l	99
67) Ethyl Benzene	11.51	91	2348155	53.214	ug/l	99
68) m/p-Xylenes	11.62	106	1782476	106.259	ug/l	99
69) o-Xylene	11.95	106	873184	54.246	ug/l	99
70) Styrene	11.96	104	1440177	54.869	ug/l	99
71) Bromoform	12.13	173	312791	48.525	ug/l #	99
73) Isopropylbenzene	12.25	105	2320096	60.600	ug/l	99
74) N-amyl acetate	12.07	43	601715	56.608	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	411103	54.733	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	358068m	43.469	ug/l	
77) Bromobenzene	12.53	156	587809	59.064	ug/l	96
78) n-propylbenzene	12.59	91	2652440	60.831	ug/l	99
79) 2-Chlorotoluene	12.67	91	1536497	56.849	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1822626	58.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	132679	51.915	ug/l	98
82) 4-Chlorotoluene	12.77	91	1573834	59.485	ug/l	99
83) tert-Butylbenzene	12.99	119	1622056	58.773	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1792055	57.125	ug/l	99
85) sec-Butylbenzene	13.17	105	2141886	57.377	ug/l	99
86) p-Isopropyltoluene	13.29	119	1820014	56.423	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	941899	53.475	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	897730	50.328	ug/l	100
89) n-Butylbenzene	13.61	91	1458614	52.562	ug/l	99
90) Hexachloroethane	13.87	117	266599	53.858	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	764991	46.147	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22430	17.271	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	74581	8.987	ug/l	99
94) Hexachlorobutadiene	15.01	225	120935	25.168	ug/l	99
95) Naphthalene	15.13	128	105871	6.523	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	37994	5.263	ug/l	100

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

