

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010319\
 Data File : VN053249.D
 Acq On : 3 Jan 2019 9:07
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/4/2019 12:38:54 PM

Quant Time: Jan 04 08:45:35 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	827632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1221689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1104943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	480943	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	390312	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	7.59	113	340097	60.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.88%	
50) Toluene-d8	10.09	98	1438971	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
62) 4-Bromofluorobenzene	12.40	95	509707	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	387576	46.271	ug/l	100
3) Chloromethane	2.06	50	474629	46.760	ug/l	99
4) Vinyl Chloride	2.19	62	479546	46.649	ug/l	100
5) Bromomethane	2.57	94	349338	49.049	ug/l	100
6) Chloroethane	2.71	64	289849	47.608	ug/l	98
7) Trichlorofluoromethane	3.02	101	643593	50.257	ug/l	99
8) Diethyl Ether	3.41	74	253250	52.420	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	428607	52.493	ug/l	98
10) Methyl Iodide	3.96	142	581819	50.741	ug/l	99
11) Tert butyl alcohol	4.77	59	117150	228.600	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	389178	49.335	ug/l	99
13) Acrolein	3.61	56	118351	254.696	ug/l	98
14) Allyl chloride	4.33	41	667600	54.636	ug/l	94
15) Acrylonitrile	4.98	53	745818	261.965	ug/l	99
16) Acetone	3.81	43	542728	329.573	ug/l	96
17) Carbon Disulfide	4.06	76	1034163	40.199	ug/l	100
18) Methyl Acetate	4.32	43	425390	56.777	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1106468	52.414	ug/l	100
20) Methylene Chloride	4.55	84	461274	51.350	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	417497	49.260	ug/l	98
22) Diisopropyl ether	5.95	45	1444787	55.395	ug/l	97
23) Vinyl Acetate	5.89	43	4062247	270.860	ug/l	99
24) 1,1-Dichloroethane	5.85	63	815888	52.644	ug/l	99
25) 2-Butanone	6.83	43	818312	296.096	ug/l	100
26) 2,2-Dichloropropane	6.82	77	629970	53.248	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	502980	52.420	ug/l	100
28) Bromochloromethane	7.19	49	358107	53.324	ug/l	97
29) Tetrahydrofuran	7.21	42	537174	260.247	ug/l	99
30) Chloroform	7.37	83	806351	52.963	ug/l	100
31) Cyclohexane	7.65	56	727617	50.059	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	671477	51.773	ug/l	99
36) 1,1-Dichloropropene	7.79	75	616016	52.534	ug/l	100
37) Ethyl Acetate	6.92	43	354654	54.178	ug/l	99
38) Carbon Tetrachloride	7.77	117	585991	54.521	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	722076	50.690	ug/l	99
40) Benzene	8.04	78	1861783	53.378	ug/l	100
41) Methacrylonitrile	7.17	41	210110	55.551	ug/l	97
42) 1,2-Dichloroethane	8.12	62	548427	53.225	ug/l	99
43) Isopropyl Acetate	8.16	43	652957	51.577	ug/l	97
44) Trichloroethene	8.83	130	503613	49.920	ug/l	100
45) 1,2-Dichloropropane	9.12	63	505782	55.672	ug/l	99
46) Dibromomethane	9.21	93	280248	52.953	ug/l	98
47) Bromodichloromethane	9.40	83	625663	55.615	ug/l	100
48) Methyl methacrylate	9.20	41	334970	52.734	ug/l	99
49) 1,4-Dioxane	9.20	88	71233	886.516	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1758824	277.445	ug/l	99
52) Toluene	10.16	92	1165200	53.897	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	635913	53.756	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	750811	55.294	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	414091	54.903	ug/l	99
56) Ethyl methacrylate	10.43	69	540361	54.129	ug/l	97
57) 1,3-Dichloropropane	10.71	76	710080	54.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1439676	262.689	ug/l	99
59) 2-Hexanone	10.75	43	1234878	287.911	ug/l	99
60) Dibromochloromethane	10.90	129	475828	55.115	ug/l	100
61) 1,2-Dibromoethane	11.00	107	407785	53.236	ug/l	99
64) Tetrachloroethene	10.63	164	528504	44.156	ug/l	98
65) Chlorobenzene	11.43	112	1331465	54.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	473330	55.571	ug/l	100
67) Ethyl Benzene	11.51	91	2296190	54.512	ug/l	100
68) m/p-Xylenes	11.62	106	1738853	108.589	ug/l	100
69) o-Xylene	11.95	106	848127	55.195	ug/l	100
70) Styrene	11.96	104	1419703	56.662	ug/l	99
71) Bromoform	12.13	173	314084	51.044	ug/l #	100
73) Isopropylbenzene	12.25	105	2285663	60.741	ug/l	99
74) N-amyl acetate	12.07	43	573121	54.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	418419	56.678	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	368405m	45.504	ug/l	
77) Bromobenzene	12.53	156	574775	58.761	ug/l	97
78) n-propylbenzene	12.59	91	2612531	60.960	ug/l	99
79) 2-Chlorotoluene	12.67	91	1519226	57.190	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1813794	59.136	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	136588	54.376	ug/l	97
82) 4-Chlorotoluene	12.77	91	1556009	59.837	ug/l	99
83) tert-Butylbenzene	12.99	119	1604927	59.166	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1807472	58.621	ug/l	100
85) sec-Butylbenzene	13.17	105	2135656	58.207	ug/l	99
86) p-Isopropyltoluene	13.29	119	1830492	57.737	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	941996	54.412	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	912785	52.064	ug/l	100
89) n-Butylbenzene	13.61	91	1466521	53.768	ug/l	100
90) Hexachloroethane	13.87	117	280678	57.691	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	783006	48.057	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26626	20.859	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	74511	9.125	ug/l	100
94) Hexachlorobutadiene	15.01	225	102235	21.221	ug/l	99
95) Naphthalene	15.13	128	113172	6.994	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	38195	5.372	ug/l	99

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

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