

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072718\
 Data File : VN050157.D
 Acq On : 28 Jul 2018 3:00
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 1:37:19 PM

Quant Time: Jul 30 02:04:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	617678	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	930910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	851182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	443535	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	430605	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.59	113	386247	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.09	98	1428750	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	12.40	95	484198	52.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	435673	49.090	ug/l	100
3) Chloromethane	2.06	50	418250	43.354	ug/l	99
4) Vinyl Chloride	2.18	62	454152	44.703	ug/l	98
5) Bromomethane	2.56	94	146520	25.480	ug/l	100
6) Chloroethane	2.70	64	270117	44.272	ug/l	99
7) Trichlorofluoromethane	3.01	101	602680	45.793	ug/l	99
8) Diethyl Ether	3.41	74	209455	47.739	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	358738	45.329	ug/l	100
10) Methyl Iodide	3.95	142	262421	25.835	ug/l	99
11) Tert butyl alcohol	4.80	59	135620	213.878	ug/l	100
12) 1,1-Dichloroethene	3.73	96	327777	46.042	ug/l	93
13) Acrolein	3.61	56	56141	110.196	ug/l	97
14) Allyl chloride	4.32	41	514168	46.578	ug/l	99
15) Acrylonitrile	4.99	53	652960	236.024	ug/l	99
16) Acetone	3.82	43	468674	230.540	ug/l	100
17) Carbon Disulfide	4.05	76	944399	43.302	ug/l	100
18) Methyl Acetate	4.33	43	426145	54.106	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	954181	50.295	ug/l	99
20) Methylene Chloride	4.55	84	388630	50.883	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	353981	46.925	ug/l	99
22) Diisopropyl ether	5.96	45	1154902	52.764	ug/l	98
23) Vinyl Acetate	5.90	43	3796082	245.415	ug/l	99
24) 1,1-Dichloroethane	5.85	63	686049	47.932	ug/l	99
25) 2-Butanone	6.84	43	746772	227.179	ug/l	99
26) 2,2-Dichloropropane	6.83	77	337172	30.966	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	403855	49.733	ug/l	96
28) Bromochloromethane	7.20	49	331205	50.734	ug/l	99
29) Tetrahydrofuran	7.22	42	497344	234.140	ug/l	99
30) Chloroform	7.37	83	699410	47.886	ug/l	99
31) Cyclohexane	7.66	56	569585	47.983	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	587535	47.027	ug/l	99
36) 1,1-Dichloropropene	7.80	75	510889	48.712	ug/l	99
37) Ethyl Acetate	6.94	43	331439	45.326	ug/l	99
38) Carbon Tetrachloride	7.78	117	527585	47.408	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	524928	48.652	ug/l	99
40) Benzene	8.04	78	1556706	48.777	ug/l	100
41) Methacrylonitrile	7.17	41	134566	36.139	ug/l	91
42) 1,2-Dichloroethane	8.13	62	501575	47.109	ug/l	100
43) Isopropyl Acetate	8.17	43	684483	49.666	ug/l	97
44) Trichloroethene	8.84	130	397696	46.375	ug/l	100
45) 1,2-Dichloropropane	9.12	63	413500	48.917	ug/l	97
46) Dibromomethane	9.21	93	251006	47.821	ug/l	100
47) Bromodichloromethane	9.41	83	531919	48.016	ug/l	100
48) Methyl methacrylate	9.20	41	306990	48.747	ug/l	99
49) 1,4-Dioxane	9.20	88	79832	931.497	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1743294	242.517	ug/l	100
52) Toluene	10.16	92	961642	51.046	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	499058	47.741	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	569468	47.666	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	358160	47.931	ug/l	98
56) Ethyl methacrylate	10.43	69	461259	45.749	ug/l	100
57) 1,3-Dichloropropane	10.71	76	605136	49.732	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1035263	219.975	ug/l	99
59) 2-Hexanone	10.75	43	1165814	221.317	ug/l	100
60) Dibromochloromethane	10.90	129	403188	48.735	ug/l	98
61) 1,2-Dibromoethane	11.01	107	352521	47.548	ug/l	97
64) Tetrachloroethene	10.63	164	380216	46.461	ug/l	98
65) Chlorobenzene	11.44	112	1037420	48.250	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	399893	48.406	ug/l	100
67) Ethyl Benzene	11.51	91	1800402	52.128	ug/l	100
68) m/p-Xylenes	11.62	106	1376979	105.404	ug/l	100
69) o-Xylene	11.95	106	668001	53.639	ug/l	99
70) Styrene	11.97	104	1085565	49.030	ug/l	100
71) Bromoform	12.13	173	286063	47.602	ug/l #	99
73) Isopropylbenzene	12.25	105	1768810	51.421	ug/l	100
74) N-amyl acetate	12.07	43	513094	48.805	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	467446	50.911	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	396430m	48.094	ug/l	
77) Bromobenzene	12.53	156	454163	47.637	ug/l	100
78) n-propylbenzene	12.59	91	2016705	52.452	ug/l	100
79) 2-Chlorotoluene	12.68	91	1212521	50.880	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1453626	53.723	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	109089	41.978	ug/l	98
82) 4-Chlorotoluene	12.78	91	1219067	51.657	ug/l	99
83) tert-Butylbenzene	12.99	119	1243880	52.679	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1497693	54.916	ug/l	99
85) sec-Butylbenzene	13.17	105	1651738	52.353	ug/l	100
86) p-Isopropyltoluene	13.29	119	1443697	54.305	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	804119	49.754	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	772276	49.025	ug/l	99
89) n-Butylbenzene	13.62	91	1153535	52.767	ug/l	100
90) Hexachloroethane	13.88	117	275901	46.739	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	791718	49.004	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72578	47.310	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	381856	44.902	ug/l	97
94) Hexachlorobutadiene	15.01	225	228000	46.099	ug/l	99
95) Naphthalene	15.14	128	854616	42.881	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	380045	45.737	ug/l	100

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

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