

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051003.D
 Acq On : 4 Sep 2018 8:15
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 12:00:01 PM

Quant Time: Sep 05 01:14:34 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	626342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	849924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	793590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	345301	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
35) Dibromofluoromethane	7.59	113	337622	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1270121	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	435545	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	379954	45.33	ug/l	99
3) Chloromethane	2.06	50	423396	40.95	ug/l	100
4) Vinyl Chloride	2.18	62	432535	44.17	ug/l	100
5) Bromomethane	2.56	94	235776	42.19	ug/l	99
6) Chloroethane	2.70	64	253206	44.75	ug/l	98
7) Trichlorofluoromethane	3.01	101	582483	46.45	ug/l	99
8) Diethyl Ether	3.41	74	197353	46.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	372763	47.58	ug/l	99
10) Methyl Iodide	3.95	142	267509	40.31	ug/l	100
11) Tert butyl alcohol	4.78	59	97255	202.55	ug/l	99
12) 1,1-Dichloroethene	3.73	96	323754	46.02	ug/l	98
13) Acrolein	3.61	56	47827	176.27	ug/l	99
14) Allyl chloride	4.32	41	512584	46.76	ug/l	99
15) Acrylonitrile	4.99	53	552634	226.47	ug/l	99
16) Acetone	3.82	43	454982	254.95	ug/l	99
17) Carbon Disulfide	4.05	76	951098	40.33	ug/l	100
18) Methyl Acetate	4.32	43	361098	50.72	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	850229	48.05	ug/l	100
20) Methylene Chloride	4.55	84	370584	43.61	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	348057	45.74	ug/l	98
22) Diisopropyl ether	5.95	45	1086382	49.73	ug/l	98
23) Vinyl Acetate	5.90	43	3159604	224.59	ug/l	99
24) 1,1-Dichloroethane	5.85	63	649689	46.32	ug/l	99
25) 2-Butanone	6.83	43	625398	205.81	ug/l	99
26) 2,2-Dichloropropane	6.82	77	537281	47.68	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	391905	47.78	ug/l	100
28) Bromochloromethane	7.19	49	281907	47.30	ug/l	99
29) Tetrahydrofuran	7.21	42	389677	223.67	ug/l	100
30) Chloroform	7.37	83	650342	46.83	ug/l	100
31) Cyclohexane	7.65	56	579570	45.51	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	561013	47.03	ug/l	99
36) 1,1-Dichloropropene	7.79	75	499444	49.80	ug/l	99
37) Ethyl Acetate	6.93	43	254296	44.14	ug/l	99
38) Carbon Tetrachloride	7.77	117	502438	49.56	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	563559	51.94	ug/l	98
40) Benzene	8.04	78	1495800	49.46	ug/l	100
41) Methacrylonitrile	7.17	41	155785	49.96	ug/l	96
42) 1,2-Dichloroethane	8.12	62	439354	48.59	ug/l	99
43) Isopropyl Acetate	8.16	43	463331	46.77	ug/l #	86
44) Trichloroethene	8.83	130	399102	50.04	ug/l	97
45) 1,2-Dichloropropane	9.12	63	395768	49.79	ug/l	99
46) Dibromomethane	9.21	93	226202	48.43	ug/l	98
47) Bromodichloromethane	9.40	83	497281	50.84	ug/l	99
48) Methyl methacrylate	9.20	41	239322	47.41	ug/l	98
49) 1,4-Dioxane	9.20	88	63839	927.62	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1318920	223.12	ug/l	99
52) Toluene	10.15	92	932807	52.07	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	484728	49.78	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	576570	51.71	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	323499	48.65	ug/l	99
56) Ethyl methacrylate	10.43	69	378564	44.06	ug/l	98
57) 1,3-Dichloropropane	10.71	76	545234	49.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	811235	216.63	ug/l	99
59) 2-Hexanone	10.75	43	884046	224.65	ug/l	99
60) Dibromochloromethane	10.90	129	381171	51.20	ug/l	99
61) 1,2-Dibromoethane	11.00	107	313581	48.77	ug/l	99
64) Tetrachloroethene	10.63	164	372533	49.42	ug/l	100
65) Chlorobenzene	11.43	112	1034513	49.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	384684	50.69	ug/l	100
67) Ethyl Benzene	11.51	91	1757252	52.11	ug/l	100
68) m/p-Xylenes	11.62	106	1377503	107.62	ug/l	100
69) o-Xylene	11.95	106	658709	53.53	ug/l	98
70) Styrene	11.96	104	1059837	48.90	ug/l	100
71) Bromoform	12.13	173	261458	50.10	ug/l #	99
73) Isopropylbenzene	12.25	105	1759285	51.18	ug/l	100
74) N-amyl acetate	12.07	43	380026	44.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	395801	48.24	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	330122m	45.40	ug/l	
77) Bromobenzene	12.53	156	448911	48.05	ug/l	96
78) n-propylbenzene	12.59	91	2015362	52.48	ug/l	99
79) 2-Chlorotoluene	12.67	91	1190157	49.76	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1459776	52.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	96626	44.92	ug/l	98
82) 4-Chlorotoluene	12.77	91	1197243	50.70	ug/l	100
83) tert-Butylbenzene	12.99	119	1265532	52.68	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1481856	53.11	ug/l	99
85) sec-Butylbenzene	13.17	105	1686434	53.58	ug/l	100
86) p-Isopropyltoluene	13.29	119	1503163	56.04	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	792902	50.01	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	761789	48.82	ug/l	100
89) n-Butylbenzene	13.61	91	1197652	55.83	ug/l	100
90) Hexachloroethane	13.87	117	254944	49.88	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	756145	49.44	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53062	42.98	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	350631	44.55	ug/l	98
94) Hexachlorobutadiene	15.01	225	258052	57.07	ug/l	99
95) Naphthalene	15.13	128	616629	38.56	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	333124	45.01	ug/l	100

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

