

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080418\
 Data File : VN050355.D
 Acq On : 4 Aug 2018 10:01
 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

apatel
 8/6/2018 6:04:38 PM

Quant Time: Aug 06 01:42:47 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	687536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	975221	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	906980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	506374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	451086	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
35) Dibromofluoromethane	7.59	113	401867	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.09	98	1532805	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.40	95	538579	55.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	437679	44.31	ug/l	99
3) Chloromethane	2.06	50	431712	40.20	ug/l	98
4) Vinyl Chloride	2.18	62	460782	40.75	ug/l	98
5) Bromomethane	2.56	94	422432	67.63	ug/l	99
6) Chloroethane	2.70	64	279111	41.10	ug/l	98
7) Trichlorofluoromethane	3.01	101	644263	43.98	ug/l	99
8) Diethyl Ether	3.41	74	226772	46.43	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	408935	46.42	ug/l	100
10) Methyl Iodide	3.95	142	261877	23.16	ug/l	99
11) Tert butyl alcohol	4.79	59	157882	223.69	ug/l	100
12) 1,1-Dichloroethene	3.73	96	352141	44.44	ug/l	98
13) Acrolein	3.61	56	168301	296.78	ug/l	97
14) Allyl chloride	4.32	41	576616	46.93	ug/l	98
15) Acrylonitrile	4.99	53	724293	235.21	ug/l	100
16) Acetone	3.82	43	503346	222.28	ug/l	99
17) Carbon Disulfide	4.05	76	883839	36.41	ug/l	100
18) Methyl Acetate	4.33	43	502667	57.44	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1051735	49.80	ug/l	99
20) Methylene Chloride	4.55	84	414989	48.76	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	376085	44.79	ug/l	100
22) Diisopropyl ether	5.95	45	1260483	51.74	ug/l	100
23) Vinyl Acetate	5.90	43	3820882	221.92	ug/l	100
24) 1,1-Dichloroethane	5.85	63	738770	46.37	ug/l	99
25) 2-Butanone	6.84	43	834776	228.15	ug/l	100
26) 2,2-Dichloropropane	6.82	77	629852	51.97	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	438295	48.49	ug/l	98
28) Bromochloromethane	7.19	49	351260	48.34	ug/l	100
29) Tetrahydrofuran	7.21	42	552095	233.51	ug/l	100
30) Chloroform	7.37	83	764080	47.00	ug/l	98
31) Cyclohexane	7.65	56	607508	45.97	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	646684	46.50	ug/l	100
36) 1,1-Dichloropropene	7.79	75	556003	50.60	ug/l	99
37) Ethyl Acetate	6.93	43	359586	46.94	ug/l	99
38) Carbon Tetrachloride	7.77	117	566018	48.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	589407	52.15	ug/l	99
40) Benzene	8.04	78	1687444	50.47	ug/l	99
41) Methacrylonitrile	7.17	41	198742	49.82	ug/l	87
42) 1,2-Dichloroethane	8.12	62	540996	48.50	ug/l	100
43) Isopropyl Acetate	8.17	43	709105	49.10	ug/l	99
44) Trichloroethene	8.84	130	436814	48.62	ug/l	100
45) 1,2-Dichloropropane	9.12	63	458824	51.81	ug/l	97
46) Dibromomethane	9.21	93	274339	49.89	ug/l	99
47) Bromodichloromethane	9.40	83	591983	51.01	ug/l	100
48) Methyl methacrylate	9.20	41	352101	53.37	ug/l	99
49) 1,4-Dioxane	9.20	88	94228	1049.52	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1961083	260.42	ug/l	100
52) Toluene	10.16	92	1048829	53.14	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	605730	55.31	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	680462	54.37	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	406301	51.90	ug/l	100
56) Ethyl methacrylate	10.43	69	524754	49.51	ug/l	99
57) 1,3-Dichloropropane	10.71	76	666217	52.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1191259	240.78	ug/l	100
59) 2-Hexanone	10.75	43	1374391	248.41	ug/l	100
60) Dibromochloromethane	10.90	129	456487	52.67	ug/l	99
61) 1,2-Dibromoethane	11.01	107	397264	51.15	ug/l	100
64) Tetrachloroethene	10.63	164	417820	47.92	ug/l	99
65) Chlorobenzene	11.43	112	1156219	50.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	444144	50.46	ug/l	99
67) Ethyl Benzene	11.51	91	2011482	54.66	ug/l	100
68) m/p-Xylenes	11.62	106	1558460	111.96	ug/l	100
69) o-Xylene	11.95	106	740347	55.79	ug/l	100
70) Styrene	11.96	104	1231873	52.16	ug/l	100
71) Bromoform	12.13	173	322866	50.42	ug/l #	98
73) Isopropylbenzene	12.25	105	2017004	51.36	ug/l	100
74) N-amyl acetate	12.07	43	589925	49.15	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	522353	49.79	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	443204m	47.10	ug/l	
77) Bromobenzene	12.53	156	521460	47.91	ug/l	100
78) n-propylbenzene	12.59	91	2366528	53.91	ug/l	100
79) 2-Chlorotoluene	12.68	91	1384476	50.89	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1699206	55.01	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	148470	50.04	ug/l	97
82) 4-Chlorotoluene	12.77	91	1435657	53.29	ug/l	99
83) tert-Butylbenzene	12.99	119	1464681	54.33	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1737683	55.81	ug/l	100
85) sec-Butylbenzene	13.17	105	1968390	54.65	ug/l	100
86) p-Isopropyltoluene	13.29	119	1746467	57.54	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	947195	51.33	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	930182	51.72	ug/l	99
89) n-Butylbenzene	13.62	91	1477811	59.21	ug/l	100
90) Hexachloroethane	13.88	117	292516	43.40	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	913608	49.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83112	47.46	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	516580	52.64	ug/l	98
94) Hexachlorobutadiene	15.01	225	287778	50.96	ug/l	100
95) Naphthalene	15.14	128	1159668	50.13	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	496599	52.03	ug/l	99

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

