

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049730.D
 Acq On : 6 Jul 2018 10:04
 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
 7/9/2018 6:00:29 PM

Quant Time: Jul 06 13:39:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	946754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1350190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1230323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	707522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	491388	39.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.60%	
35) Dibromofluoromethane	7.59	113	423350	41.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.88%	
50) Toluene-d8	10.09	98	1619494	40.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.98%	
62) 4-Bromofluorobenzene	12.40	95	583516	43.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	504868	47.319	ug/l	98
3) Chloromethane	2.06	50	638251	47.895	ug/l	100
4) Vinyl Chloride	2.18	62	695050	48.563	ug/l	99
5) Bromomethane	2.56	94	315292	41.938	ug/l	99
6) Chloroethane	2.70	64	442755	48.875	ug/l	100
7) Trichlorofluoromethane	3.01	101	924222	56.532	ug/l	99
8) Diethyl Ether	3.41	74	323321	48.791	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	591468	50.285	ug/l	99
10) Methyl Iodide	3.94	142	642791	43.666	ug/l	97
11) Tert butyl alcohol	4.80	59	181476	252.944	ug/l	100
12) 1,1-Dichloroethene	3.73	96	528011	47.483	ug/l	100
13) Acrolein	3.61	56	178844	266.867	ug/l	98
14) Allyl chloride	4.32	41	821014	53.751	ug/l	98
15) Acrylonitrile	4.99	53	946756	255.497	ug/l	98
16) Acetone	3.82	43	741915	296.981	ug/l	99
17) Carbon Disulfide	4.05	76	1461640	47.741	ug/l	100
18) Methyl Acetate	4.33	43	491973	43.727	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1434097	50.028	ug/l	98
20) Methylene Chloride	4.55	84	622631	48.361	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	565630	49.425	ug/l	97
22) Diisopropyl ether	5.96	45	1778016	51.450	ug/l	97
23) Vinyl Acetate	5.90	43	5371363	239.686	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1068832	49.095	ug/l	99
25) 2-Butanone	6.84	43	1126118	271.312	ug/l	99
26) 2,2-Dichloropropane	6.82	77	911393	50.404	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	633350	49.543	ug/l	100
28) Bromochloromethane	7.19	49	379760	41.100	ug/l	99
29) Tetrahydrofuran	7.21	42	693479	262.138	ug/l	99
30) Chloroform	7.37	83	1101820	49.648	ug/l	99
31) Cyclohexane	7.65	56	923424	49.474	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	934588	49.741	ug/l	98
36) 1,1-Dichloropropene	7.79	75	825145	54.320	ug/l	100
37) Ethyl Acetate	6.93	43	487876	55.064	ug/l	99
38) Carbon Tetrachloride	7.77	117	791999	53.598	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	911980	54.757	ug/l	96
40) Benzene	8.04	78	2467045	53.188	ug/l	99
41) Methacrylonitrile	7.18	41	268457	53.753	ug/l	99
42) 1,2-Dichloroethane	8.12	62	782794	52.881	ug/l	100
43) Isopropyl Acetate	8.17	43	912695	51.903	ug/l	99
44) Trichloroethene	8.84	130	699420	50.000	ug/l	98
45) 1,2-Dichloropropane	9.12	63	656786	54.806	ug/l	100
46) Dibromomethane	9.21	93	391543	54.007	ug/l	99
47) Bromodichloromethane	9.40	83	842123	54.565	ug/l	99
48) Methyl methacrylate	9.20	41	439688	55.845	ug/l	99
49) 1,4-Dioxane	9.20	88	120074	1134.393	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2489726	286.610	ug/l	100
52) Toluene	10.16	92	1532416	54.686	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	792155	53.604	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	938454	54.335	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	565417	54.191	ug/l	99
56) Ethyl methacrylate	10.43	69	685198	56.025	ug/l	99
57) 1,3-Dichloropropane	10.71	76	930002	54.968	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1261148	200.109	ug/l	100
59) 2-Hexanone	10.75	43	1730493	301.260	ug/l	99
60) Dibromochloromethane	10.90	129	636984	56.486	ug/l	100
61) 1,2-Dibromoethane	11.01	107	544915	54.506	ug/l	98
64) Tetrachloroethene	10.63	164	892794	53.592	ug/l	98
65) Chlorobenzene	11.44	112	1653538	51.520	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	619477	53.716	ug/l	100
67) Ethyl Benzene	11.51	91	2867500	54.048	ug/l	100
68) m/p-Xylenes	11.62	106	2338078	114.993	ug/l	99
69) o-Xylene	11.95	106	1096157	56.310	ug/l	98
70) Styrene	11.97	104	1818356	57.731	ug/l	100
71) Bromoform	12.13	173	427523	55.791	ug/l #	99
73) Isopropylbenzene	12.25	105	2942736	52.216	ug/l	100
74) N-amyl acetate	12.07	43	788871	51.244	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	660542	56.624	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	625437m	55.118	ug/l	
77) Bromobenzene	12.53	156	745708	48.660	ug/l	99
78) n-propylbenzene	12.59	91	3548431	54.937	ug/l	100
79) 2-Chlorotoluene	12.68	91	2079891	50.880	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2626596	56.086	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158540	47.454	ug/l	98
82) 4-Chlorotoluene	12.77	91	2135215	51.949	ug/l	100
83) tert-Butylbenzene	12.99	119	2160545	53.704	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2681261	55.718	ug/l	99
85) sec-Butylbenzene	13.17	105	3048156	57.186	ug/l	100
86) p-Isopropyltoluene	13.29	119	2720395	58.924	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1403055	54.110	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1353571	53.128	ug/l	99
89) n-Butylbenzene	13.62	91	2253223	57.007	ug/l	100
90) Hexachloroethane	13.88	117	270171	55.711	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	1339781	53.840	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	100252	51.048	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	585692	45.171	ug/l	99
94) Hexachlorobutadiene	15.01	225	474857	63.808	ug/l	99
95) Naphthalene	15.14	128	1116114	39.745	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	586455	47.461	ug/l	98

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

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