

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
 Data File : VN049486.D
 Acq On : 22 Jun 2018 12:25
 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
 6/25/2018 4:23:20 PM

Quant Time: Jun 22 22:23:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1451724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2024558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1880572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	973418	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	861317	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
35) Dibromofluoromethane	7.59	113	782405	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.09	98	2891602	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	12.40	95	1018120	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	739092	44.23	ug/l	100
3) Chloromethane	2.06	50	930227	43.11	ug/l	98
4) Vinyl Chloride	2.19	62	1030545	44.94	ug/l	99
5) Bromomethane	2.56	94	566370	46.98	ug/l	96
6) Chloroethane	2.70	64	648259	47.41	ug/l	99
7) Trichlorofluoromethane	3.02	101	1437005	50.23	ug/l	100
8) Diethyl Ether	3.41	74	478955	47.95	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	891950	49.16	ug/l	93
10) Methyl Iodide	3.95	142	1085209	57.45	ug/l	93
11) Tert butyl alcohol	4.79	59	252275	223.23	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	793837	47.69	ug/l	91
13) Acrolein	3.61	56	279068	235.48	ug/l	97
14) Allyl chloride	4.32	41	1295219	49.28	ug/l	89
15) Acrylonitrile	4.99	53	1382208	244.60	ug/l	99
16) Acetone	3.82	43	1238028	264.81	ug/l	91
17) Carbon Disulfide	4.05	76	2368883	45.40	ug/l	99
18) Methyl Acetate	4.33	43	700127	49.11	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	2148554	50.63	ug/l	98
20) Methylene Chloride	4.55	84	940235	48.15	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	873157	49.55	ug/l	92
22) Diisopropyl ether	5.95	45	2732434	52.06	ug/l	96
23) Vinyl Acetate	5.90	43	8662288	253.17	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1639506	48.81	ug/l	99
25) 2-Butanone	6.84	43	1609215	256.34	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1407919	51.90	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	988751	50.47	ug/l	92
28) Bromochloromethane	7.19	49	657018	44.12	ug/l	84
29) Tetrahydrofuran	7.21	42	999409	247.32	ug/l	94
30) Chloroform	7.37	83	1678095	50.20	ug/l	99
31) Cyclohexane	7.65	56	1454073	51.06	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1436903	50.37	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1293279	55.74	ug/l	98
37) Ethyl Acetate	6.93	43	700161	55.51	ug/l	98
38) Carbon Tetrachloride	7.77	117	1299690	54.10	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1392610	55.91	ug/l	96
40) Benzene	8.04	78	3806033	53.50	ug/l	99
41) Methacrylonitrile	7.17	41	336298	49.31	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1177818	53.59	ug/l	96
43) Isopropyl Acetate	8.17	43	1253416	52.01	ug/l	96
44) Trichloroethene	8.84	130	1049915	55.89	ug/l	92
45) 1,2-Dichloropropane	9.12	63	1006747	54.05	ug/l	100
46) Dibromomethane	9.21	93	582599	53.94	ug/l	92
47) Bromodichloromethane	9.40	83	1281719	54.00	ug/l	97
48) Methyl methacrylate	9.20	41	647451	57.05	ug/l	88
49) 1,4-Dioxane	9.20	88	159905	1020.81	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3422811	270.97	ug/l	94
52) Toluene	10.16	92	2365096	56.65	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1253316	55.20	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1475839	55.05	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	830396	53.35	ug/l	96
56) Ethyl methacrylate	10.43	69	984742	54.84	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1396165	54.15	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1052598	168.90	ug/l	95
59) 2-Hexanone	10.75	43	2288451	281.01	ug/l	93
60) Dibromochloromethane	10.90	129	943510	54.31	ug/l	100
61) 1,2-Dibromoethane	11.01	107	796239	55.04	ug/l	100
64) Tetrachloroethene	10.63	164	1177229	61.09	ug/l	99
65) Chlorobenzene	11.44	112	2561349	52.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	958828	52.59	ug/l	99
67) Ethyl Benzene	11.51	91	4520423	56.26	ug/l	98
68) m/p-Xylenes	11.62	106	3495864	115.92	ug/l	97
69) o-Xylene	11.95	106	1654936	56.98	ug/l	95
70) Styrene	11.97	104	2670956	58.29	ug/l	97
71) Bromoform	12.13	173	638705	54.12	ug/l #	99
73) Isopropylbenzene	12.25	105	4461819	52.20	ug/l	98
74) N-amyl acetate	12.07	43	1044676	49.90	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	881221	50.12	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	773834m	46.59	ug/l	
77) Bromobenzene	12.53	156	1108452	49.10	ug/l	89
78) n-propylbenzene	12.59	91	5115854	54.51	ug/l	99
79) 2-Chlorotoluene	12.68	91	3031417	50.98	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3663980	54.54	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	260149	49.50	ug/l	91
82) 4-Chlorotoluene	12.78	91	3053715	53.23	ug/l	97
83) tert-Butylbenzene	12.99	119	3118650	52.40	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	3707962	55.56	ug/l	98
85) sec-Butylbenzene	13.17	105	4175510	52.71	ug/l	98
86) p-Isopropyltoluene	13.29	119	3626382	54.79	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1948859	52.47	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1882038	51.13	ug/l	99
89) n-Butylbenzene	13.62	91	2882608	55.76	ug/l	98
90) Hexachloroethane	13.88	117	684633	54.83	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	1883165	51.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	139816	46.99	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	757015	45.79	ug/l	98
94) Hexachlorobutadiene	15.01	225	612099	57.88	ug/l	98
95) Naphthalene	15.14	128	1370169	46.81	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	754242	46.48	ug/l	97

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

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