

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062718\
 Data File : VN049567.D
 Acq On : 27 Jun 2018 12:55
 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
 6/28/2018 4:38:08 PM

Quant Time: Jun 28 01:29:29 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	7.66	168	1612245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2374730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2165062	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1176649	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	989877	46.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.58%	
35) Dibromofluoromethane	7.59	113	873743	45.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.96%	
50) Toluene-d8	10.09	98	3496987	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.40	95	1205596	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1000529	53.92	ug/l	100
3) Chloromethane	2.06	50	1119071	46.70	ug/l	99
4) Vinyl Chloride	2.18	62	1238184	48.62	ug/l	100
5) Bromomethane	2.56	94	583526	43.59	ug/l	96
6) Chloroethane	2.70	64	749187	49.34	ug/l	98
7) Trichlorofluoromethane	3.02	101	1414749	44.53	ug/l	99
8) Diethyl Ether	3.40	74	550438	49.62	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1013314	50.29	ug/l	92
10) Methyl Iodide	3.94	142	1308319	62.37	ug/l	91
11) Tert butyl alcohol	4.79	59	264025	210.37	ug/l	98
12) 1,1-Dichloroethene	3.73	96	919476	49.74	ug/l	91
13) Acrolein	3.60	56	398426	302.72	ug/l	98
14) Allyl chloride	4.32	41	1246722	42.71	ug/l	89
15) Acrylonitrile	4.99	53	1421918	226.57	ug/l	99
16) Acetone	3.82	43	912660	175.78	ug/l	91
17) Carbon Disulfide	4.05	76	2806804	48.44	ug/l	100
18) Methyl Acetate	4.32	43	1043190	65.89	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	2392939	50.77	ug/l	99
20) Methylene Chloride	4.55	84	1021305	47.10	ug/l	90
21) trans-1,2-Dichloroethene	5.03	96	980124	50.08	ug/l	93
22) Diisopropyl ether	5.95	45	3009764	51.64	ug/l	97
23) Vinyl Acetate	5.89	43	9877959	259.96	ug/l	95
24) 1,1-Dichloroethane	5.84	63	1819404	48.77	ug/l	99
25) 2-Butanone	6.83	43	1499348	215.06	ug/l	96
26) 2,2-Dichloropropane	6.82	77	1533479	50.90	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	1102093	50.65	ug/l	92
28) Bromochloromethane	7.19	49	773260	46.75	ug/l #	83
29) Tetrahydrofuran	7.21	42	1045104	232.88	ug/l	93
30) Chloroform	7.37	83	1814238	48.86	ug/l	99
31) Cyclohexane	7.65	56	1689213	53.42	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	1596117	50.38	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1433296	52.66	ug/l	97
37) Ethyl Acetate	6.92	43	741092	50.09	ug/l	97
38) Carbon Tetrachloride	7.77	117	1409043	50.01	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1644027	56.27	ug/l	95
40) Benzene	8.04	78	4188232	50.19	ug/l	99
41) Methacrylonitrile	7.17	41	446897	55.87	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1272293	49.35	ug/l	96
43) Isopropyl Acetate	8.16	43	1659346	58.70	ug/l	99
44) Trichloroethene	8.83	130	1216656	55.22	ug/l	94
45) 1,2-Dichloropropane	9.12	63	1096333	50.18	ug/l	100
46) Dibromomethane	9.21	93	621724	49.08	ug/l	91
47) Bromodichloromethane	9.40	83	1383535	49.70	ug/l	96
48) Methyl methacrylate	9.20	41	699102	52.51	ug/l	88
49) 1,4-Dioxane	9.20	88	166149	904.26	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	3568953	240.88	ug/l	94
52) Toluene	10.16	92	2609512	53.28	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1362183	51.15	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1645939	52.34	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	887547	48.61	ug/l	96
56) Ethyl methacrylate	10.43	69	1114269	52.90	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1489913	49.26	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	2761389	360.04	ug/l	94
59) 2-Hexanone	10.75	43	2396290	250.86	ug/l	92
60) Dibromochloromethane	10.90	129	1014161	49.77	ug/l	99
61) 1,2-Dibromoethane	11.00	107	864909	50.97	ug/l	99
64) Tetrachloroethene	10.63	164	1353078	60.99	ug/l	98
65) Chlorobenzene	11.43	112	2844095	50.99	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	1027487	48.95	ug/l	99
67) Ethyl Benzene	11.51	91	4969302	53.72	ug/l	98
68) m/p-Xylenes	11.62	106	3864550	111.31	ug/l	97
69) o-Xylene	11.95	106	1840925	55.05	ug/l	97
70) Styrene	11.96	104	3034811	57.53	ug/l	97
71) Bromoform	12.13	173	674896	49.68	ug/l #	99
73) Isopropylbenzene	12.25	105	4881161	47.25	ug/l	98
74) N-amyl acetate	12.07	43	1242307	49.09	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	938194	43.87	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	842426m	41.96	ug/l	
77) Bromobenzene	12.53	156	1240405	45.45	ug/l	88
78) n-propylbenzene	12.59	91	5788565	51.03	ug/l	98
79) 2-Chlorotoluene	12.67	91	3363255	46.79	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	4160516	51.24	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	281967	44.39	ug/l	91
82) 4-Chlorotoluene	12.77	91	3510055	50.62	ug/l	97
83) tert-Butylbenzene	12.99	119	3492530	48.55	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	4314844	53.49	ug/l	99
85) sec-Butylbenzene	13.17	105	4772798	49.85	ug/l	98
86) p-Isopropyltoluene	13.29	119	4275981	53.45	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	2286058	50.92	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2257597	50.74	ug/l	99
89) n-Butylbenzene	13.62	91	3668715	58.71	ug/l	97
90) Hexachloroethane	13.88	117	514491	33.42	ug/l	86
91) 1,2-Dichlorobenzene	13.65	146	2190002	49.74	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	158887	44.17	ug/l	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1197261	58.44	ug/l	99
94) Hexachlorobutadiene	15.01	225	715763	55.90	ug/l	99
95) Naphthalene	15.14	128	2389177	63.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1101286	55.42	ug/l	98

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

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