

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051319\
 Data File : VN055583.D
 Acq On : 13 May 2019 18:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:43:12 AM

Quant Time: May 14 03:27:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	726956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1262358	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1105746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	465515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	500499	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
35) Dibromofluoromethane	7.59	113	406753	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.09	98	1580682	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
62) 4-Bromofluorobenzene	12.40	95	550951	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	311126	42.037	ug/l	99
3) Chloromethane	2.06	50	494063	41.090	ug/l	97
4) Vinyl Chloride	2.18	62	503180	44.332	ug/l	99
5) Bromomethane	2.53	94	281483	45.263	ug/l	98
6) Chloroethane	2.68	64	305338	46.184	ug/l	95
7) Trichlorofluoromethane	3.01	101	577289	46.362	ug/l	99
8) Diethyl Ether	3.41	74	270132	48.305	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	371718	46.921	ug/l	98
10) Methyl Iodide	3.94	142	500063	46.702	ug/l	98
11) Tert butyl alcohol	4.81	59	364721	225.677	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	388026	48.838	ug/l	95
13) Acrolein	3.60	56	273190	253.638	ug/l	98
14) Allyl chloride	4.31	41	750282	46.099	ug/l	97
15) Acrylonitrile	4.99	53	1129826	225.772	ug/l	100
16) Acetone	3.82	43	940377	185.548	ug/l	99
17) Carbon Disulfide	4.04	76	962250	44.374	ug/l	100
18) Methyl Acetate	4.33	43	494709	46.437	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	1280387	48.499	ug/l	97
20) Methylene Chloride	4.54	84	467007	45.063	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	412809	47.922	ug/l	95
22) Diisopropyl ether	5.96	45	1585375	47.935	ug/l	99
23) Vinyl Acetate	5.90	43	6072702	237.422	ug/l	99
24) 1,1-Dichloroethane	5.84	63	839655	47.030	ug/l	100
25) 2-Butanone	6.84	43	1501186	214.425	ug/l	97
26) 2,2-Dichloropropane	6.82	77	541038	48.612	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	489923	49.211	ug/l	98
28) Bromochloromethane	7.19	49	422230	45.539	ug/l	93
29) Tetrahydrofuran	7.21	42	995877	215.175	ug/l	98
30) Chloroform	7.37	83	787531	47.715	ug/l	99
31) Cyclohexane	7.65	56	760514	43.053	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	610437	48.568	ug/l	99
36) 1,1-Dichloropropene	7.79	75	601003	48.326	ug/l	98
37) Ethyl Acetate	6.93	43	594363	43.812	ug/l	98
38) Carbon Tetrachloride	7.77	117	496151	47.379	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	677914	44.708	ug/l	97
40) Benzene	8.04	78	1856821	48.107	ug/l	99
41) Methacrylonitrile	7.17	41	273980m	43.513	ug/l	
42) 1,2-Dichloroethane	8.12	62	615277	45.373	ug/l	99
43) Isopropyl Acetate	8.17	43	954841	46.329	ug/l	96
44) Trichloroethene	8.83	130	448357	48.820	ug/l	98
45) 1,2-Dichloropropane	9.12	63	524629	47.505	ug/l	99
46) Dibromomethane	9.21	93	304037	47.496	ug/l	96
47) Bromodichloromethane	9.40	83	597802	48.816	ug/l	100
48) Methyl methacrylate	9.20	41	451620	45.480	ug/l	96
49) 1,4-Dioxane	9.20	88	180171	930.919	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	3031025	223.610	ug/l	97
52) Toluene	10.16	92	1093059	49.536	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	618744	52.607	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	738721	52.562	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	436099	48.778	ug/l	99
56) Ethyl methacrylate	10.43	69	666337	50.107	ug/l	96
57) 1,3-Dichloropropane	10.71	76	779790	49.129	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	936418	211.222	ug/l	99
59) 2-Hexanone	10.75	43	2085699	219.406	ug/l	99
60) Dibromochloromethane	10.90	129	424758	52.255	ug/l	100
61) 1,2-Dibromoethane	11.00	107	432387	50.336	ug/l	99
64) Tetrachloroethene	10.63	164	409352	45.180	ug/l	99
65) Chlorobenzene	11.43	112	1144780	50.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	401348	51.246	ug/l	98
67) Ethyl Benzene	11.51	91	2090126	48.919	ug/l	99
68) m/p-Xylenes	11.62	106	1537679	100.284	ug/l	99
69) o-Xylene	11.95	106	759598	50.402	ug/l	99
70) Styrene	11.96	104	1286594	53.286	ug/l	99
71) Bromoform	12.13	173	284615	53.854	ug/l	100
73) Isopropylbenzene	12.25	105	1992697	52.015	ug/l	100
74) N-amyl acetate	12.07	43	797600	45.130	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	624242	50.019	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	546670m	43.137	ug/l	
77) Bromobenzene	12.53	156	477907	46.584	ug/l	93
78) n-propylbenzene	12.59	91	2268605	45.436	ug/l	99
79) 2-Chlorotoluene	12.67	91	1378834	44.312	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1679876	45.122	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	155392	45.244	ug/l	97
82) 4-Chlorotoluene	12.77	91	1362531	46.341	ug/l	99
83) tert-Butylbenzene	12.99	119	1402478	43.949	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1632729	47.818	ug/l	99
85) sec-Butylbenzene	13.17	105	1844994	43.503	ug/l	99
86) p-Isopropyltoluene	13.29	119	1596874	46.265	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	781951	49.327	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	759045	48.518	ug/l	99
89) n-Butylbenzene	13.61	91	1249121	46.689	ug/l	99
90) Hexachloroethane	13.87	117	251573	44.681	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	777765	49.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	96388	45.028	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	312674	45.625	ug/l	98
94) Hexachlorobutadiene	15.01	225	217900	46.302	ug/l	99
95) Naphthalene	15.13	128	884106	45.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	344310	46.281	ug/l	99

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

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