

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055591.D
 Acq On : 14 May 2019 13:37
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN051419

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:31:58 PM

Quant Time: May 15 07:46:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 07:28:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	744194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1265658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1093241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	461051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	516846	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.59	113	410960	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.09	98	1613160	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.40	95	535470	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	356904	46.994	ug/l	99
3) Chloromethane	2.06	50	544451	46.080	ug/l	99
4) Vinyl Chloride	2.19	62	539953	46.889	ug/l	99
5) Bromomethane	2.54	94	330377	49.122	ug/l	99
6) Chloroethane	2.69	64	327777	46.960	ug/l	100
7) Trichlorofluoromethane	3.01	101	611456	47.637	ug/l	97
8) Diethyl Ether	3.41	74	271318	47.309	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	386559	47.840	ug/l	99
10) Methyl Iodide	3.94	142	525663	51.023	ug/l	99
11) Tert butyl alcohol	4.81	59	337482	252.672	ug/l	99
12) 1,1-Dichloroethene	3.73	96	403439	49.862	ug/l	100
13) Acrolein	3.60	56	305061	227.639	ug/l	99
14) Allyl chloride	4.32	41	773490	49.620	ug/l	99
15) Acrylonitrile	4.99	53	1107506	246.928	ug/l	99
16) Acetone	3.82	43	1126096	236.833	ug/l	100
17) Carbon Disulfide	4.04	76	1142929	49.295	ug/l	100
18) Methyl Acetate	4.33	43	460459	51.695	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1275555	50.498	ug/l	99
20) Methylene Chloride	4.55	84	474192	47.383	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	429218	48.803	ug/l	98
22) Diisopropyl ether	5.95	45	1581397	50.509	ug/l	99
23) Vinyl Acetate	5.90	43	6246149	266.255	ug/l	100
24) 1,1-Dichloroethane	5.84	63	852704	49.038	ug/l	99
25) 2-Butanone	6.84	43	1553442	249.282	ug/l	100
26) 2,2-Dichloropropane	6.82	77	579534	51.603	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	495144	48.597	ug/l	99
28) Bromochloromethane	7.19	49	406827	48.170	ug/l	98
29) Tetrahydrofuran	7.21	42	990281	245.125	ug/l	99
30) Chloroform	7.37	83	792814	48.721	ug/l	99
31) Cyclohexane	7.65	56	829892	47.960	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	625538	49.644	ug/l	100
36) 1,1-Dichloropropene	7.79	75	625199	49.683	ug/l	99
37) Ethyl Acetate	6.93	43	594972	50.462	ug/l	100
38) Carbon Tetrachloride	7.77	117	524343	50.191	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	736946	49.730	ug/l	99
40) Benzene	8.04	78	1899458	49.428	ug/l	99
41) Methacrylonitrile	7.17	41	281188	52.318	ug/l	96
42) 1,2-Dichloroethane	8.12	62	625975	48.845	ug/l	99
43) Isopropyl Acetate	8.17	43	952476	51.510	ug/l	99
44) Trichloroethene	8.83	130	456368	49.379	ug/l	100
45) 1,2-Dichloropropane	9.12	63	525340	49.600	ug/l	99
46) Dibromomethane	9.21	93	304951	48.750	ug/l	99
47) Bromodichloromethane	9.40	83	597697	50.125	ug/l	97
48) Methyl methacrylate	9.20	41	452282	50.069	ug/l	98
49) 1,4-Dioxane	9.20	88	162884	986.645	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2921278	251.438	ug/l	100
52) Toluene	10.15	92	1111456	50.482	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	626648	54.817	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	748126	54.502	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	428251	48.652	ug/l	98
56) Ethyl methacrylate	10.43	69	651952	53.150	ug/l	99
57) 1,3-Dichloropropane	10.71	76	764177	50.221	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	904207	239.116	ug/l	100
59) 2-Hexanone	10.75	43	2072043	258.526	ug/l	100
60) Dibromochloromethane	10.90	129	422122	52.722	ug/l	99
61) 1,2-Dibromoethane	11.00	107	428173	51.486	ug/l	99
64) Tetrachloroethene	10.63	164	418839	47.962	ug/l	99
65) Chlorobenzene	11.43	112	1126929	49.674	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	396609	50.999	ug/l	99
67) Ethyl Benzene	11.51	91	2091547	51.404	ug/l	99
68) m/p-Xylenes	11.62	106	1537431	103.375	ug/l	99
69) o-Xylene	11.95	106	747079	51.619	ug/l	100
70) Styrene	11.96	104	1247188	54.186	ug/l	100
71) Bromoform	12.13	173	277636	54.771	ug/l #	98
73) Isopropylbenzene	12.25	105	1964669	43.603	ug/l	100
74) N-amyl acetate	12.07	43	781004	49.118	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	598406	51.333	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	527302m	46.225	ug/l	
77) Bromobenzene	12.52	156	456581	50.825	ug/l	99
78) n-propylbenzene	12.59	91	2256284	46.966	ug/l	100
79) 2-Chlorotoluene	12.67	91	1355719	44.365	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1656329	46.506	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	156711	48.863	ug/l	97
82) 4-Chlorotoluene	12.77	91	1334829	47.024	ug/l	100
83) tert-Butylbenzene	12.99	119	1370847	44.342	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1599116	48.618	ug/l	100
85) sec-Butylbenzene	13.17	105	1843360	46.297	ug/l	100
86) p-Isopropyltoluene	13.29	119	1583266	49.042	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	777439	48.722	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	756478	48.185	ug/l	99
89) n-Butylbenzene	13.61	91	1273319	53.458	ug/l	100
90) Hexachloroethane	13.87	117	249101	49.866	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	769485	48.255	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	94099	48.904	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	328384	50.581	ug/l	100
94) Hexachlorobutadiene	15.01	225	238421	54.514	ug/l	98
95) Naphthalene	15.13	128	902984	52.119	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	347244	50.398	ug/l	99

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

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