

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051419\
 Data File : VN055588.D
 Acq On : 14 May 2019 12:22
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 1:31:44 PM

Quant Time: May 15 07:08:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051419W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 15 06:47:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	728759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1262634	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1077511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	403444	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	214882	19.73	ug/l	0.00
Spiked Amount			Recovery	=	39.46%	
35) Dibromofluoromethane	7.59	113	169285	20.76	ug/l	0.00
Spiked Amount			Recovery	=	41.52%	
50) Toluene-d8	10.09	98	648380	20.43	ug/l	0.00
Spiked Amount			Recovery	=	40.86%	
62) 4-Bromofluorobenzene	12.40	95	204278	19.28	ug/l	0.00
Spiked Amount			Recovery	=	38.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	148501	19.958	ug/l	99
3) Chloromethane	2.06	50	229822	19.199	ug/l	100
4) Vinyl Chloride	2.19	62	227280	19.968	ug/l	98
5) Bromomethane	2.55	94	131689	20.928	ug/l	97
6) Chloroethane	2.70	64	137415	20.539	ug/l	100
7) Trichlorofluoromethane	3.01	101	251808	20.145	ug/l	98
8) Diethyl Ether	3.41	74	115221	20.527	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	156379	19.653	ug/l	98
10) Methyl Iodide	3.95	142	208102	19.457	ug/l	99
11) Tert butyl alcohol	4.81	59	132948	85.468	ug/l	97
12) 1,1-Dichloroethene	3.73	96	160378	20.097	ug/l	99
13) Acrolein	3.60	56	127167	113.516	ug/l	98
14) Allyl chloride	4.32	41	301498	18.685	ug/l	99
15) Acrylonitrile	4.99	53	453842	92.453	ug/l	99
16) Acetone	3.82	43	503432	100.336	ug/l	99
17) Carbon Disulfide	4.04	76	449940	20.537	ug/l	99
18) Methyl Acetate	4.33	43	193996	15.823	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	504879	19.260	ug/l	100
20) Methylene Chloride	4.55	84	195933	18.955	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	177112	20.439	ug/l	96
22) Diisopropyl ether	5.95	45	638808	19.510	ug/l	99
23) Vinyl Acetate	5.90	43	2394297	95.018	ug/l	100
24) 1,1-Dichloroethane	5.85	63	346280	19.434	ug/l	100
25) 2-Butanone	6.84	43	644962	94.391	ug/l	99
26) 2,2-Dichloropropane	6.82	77	223891	20.183	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	202527	20.331	ug/l	100
28) Bromochloromethane	7.19	49	164756	18.075	ug/l	98
29) Tetrahydrofuran	7.21	42	412399	91.216	ug/l	100
30) Chloroform	7.37	83	325762	19.802	ug/l	98
31) Cyclohexane	7.65	56	338064	19.164	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	254073	20.211	ug/l	99
36) 1,1-Dichloropropene	7.79	75	247900	20.035	ug/l	100
37) Ethyl Acetate	6.93	43	244192	18.452	ug/l	100
38) Carbon Tetrachloride	7.77	117	203696	19.440	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	289576	19.208	ug/l	99
40) Benzene	8.04	78	777314	20.265	ug/l	99
41) Methacrylonitrile	7.17	41	120218	19.623	ug/l	98
42) 1,2-Dichloroethane	8.12	62	253220	18.858	ug/l	99
43) Isopropyl Acetate	8.17	43	369992	18.460	ug/l	99
44) Trichloroethene	8.83	130	187718	20.425	ug/l	98
45) 1,2-Dichloropropane	9.12	63	215018	19.634	ug/l	99
46) Dibromomethane	9.21	93	126430	19.933	ug/l	98
47) Bromodichloromethane	9.40	83	237934	19.527	ug/l	97
48) Methyl methacrylate	9.20	41	181732	18.762	ug/l	99
49) 1,4-Dioxane	9.20	88	66436	354.234	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1169321	89.133	ug/l	99
52) Toluene	10.15	92	441939	20.129	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	228306	19.601	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	277982	19.907	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	173330	19.527	ug/l	97
56) Ethyl methacrylate	10.43	69	248328	19.003	ug/l	98
57) 1,3-Dichloropropane	10.71	76	307912	19.607	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	330047	91.639	ug/l	99
59) 2-Hexanone	10.75	43	820137	89.277	ug/l	99
60) Dibromochloromethane	10.90	129	162398	20.109	ug/l	100
61) 1,2-Dibromoethane	11.00	107	170524	20.052	ug/l	97
64) Tetrachloroethene	10.63	164	180578	20.497	ug/l	98
65) Chlorobenzene	11.43	112	450863	20.379	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	155312	20.326	ug/l	99
67) Ethyl Benzene	11.51	91	812234	19.649	ug/l	99
68) m/p-Xylenes	11.62	106	595583	40.036	ug/l	100
69) o-Xylene	11.95	106	291914	19.993	ug/l	99
70) Styrene	11.96	104	473783	20.304	ug/l	100
71) Bromoform	12.12	173	101627	19.859	ug/l #	98
73) Isopropylbenzene	12.25	105	775844	19.678	ug/l	99
74) N-amyl acetate	12.07	43	270080	18.064	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	238450	18.657	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	194007m	17.967	ug/l	
77) Bromobenzene	12.53	156	176545	19.864	ug/l	98
78) n-propylbenzene	12.59	91	846642	19.675	ug/l	100
79) 2-Chlorotoluene	12.67	91	521505	19.475	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	629071	19.634	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	57313	19.672	ug/l	97
82) 4-Chlorotoluene	12.77	91	499788	19.738	ug/l	98
83) tert-Butylbenzene	12.99	119	538130	19.617	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	581034	19.780	ug/l	99
85) sec-Butylbenzene	13.17	105	698533	19.186	ug/l	100
86) p-Isopropyltoluene	13.29	119	577325	19.487	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	276680	20.221	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	269283	19.918	ug/l	99
89) n-Butylbenzene	13.61	91	416484	18.318	ug/l	99
90) Hexachloroethane	13.87	117	94263	19.479	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	275959	20.154	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31075	17.141	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85603	18.485	ug/l	99
94) Hexachlorobutadiene	15.01	225	86507	17.639	ug/l	99
95) Naphthalene	15.13	128	234814	17.353	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	96771	17.824	ug/l	98

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

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